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Product datasheet for TA503978AM

NLN Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3A12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A12
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NLN(NP_065777) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	80.5 kDa
Gene Name:	neurolysin
Database Link:	NP_065777 Entrez Gene 75805 MouseEntrez Gene 117041 RatEntrez Gene 57486 Human Q9BYT8
Background:	This gene encodes a member of the metallopeptidase M3 protein family that cleaves neurotensin at the Pro10-Tyr11 bond, leading to the formation of neurotensin(1-10) and neurotensin(11-13). The encoded protein is likely involved in the termination of the neurotensinergic signal in the central nervous system and in the gastrointestinal tract.
Synonyms:	AGTBP; EP24.16; MEP; MOP

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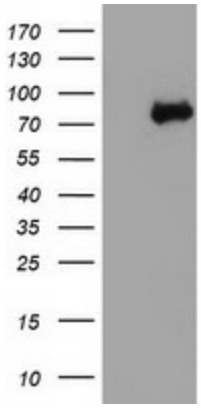
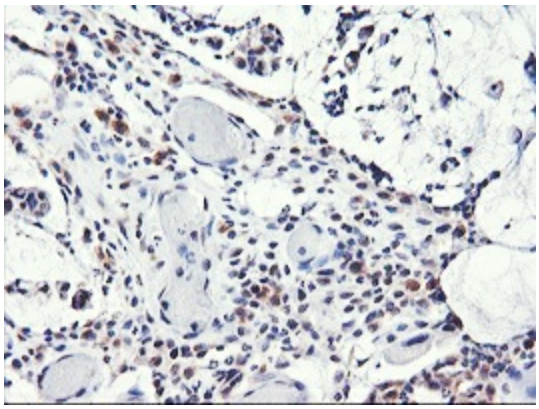
Protein Families: Druggable Genome, Protease

Protein Pathways: Renin-angiotensin system

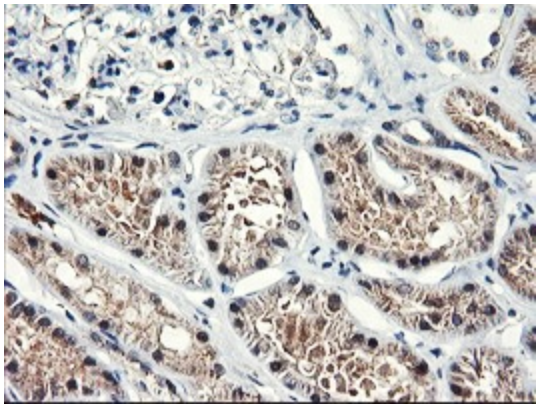
Product images:



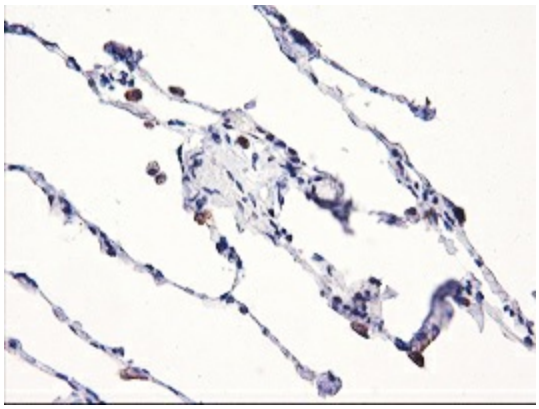
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NLN ([RC212447], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NLN. Positive lysates [LY412353] (100ug) and [LC412353] (20ug) can be purchased separately from OriGene.



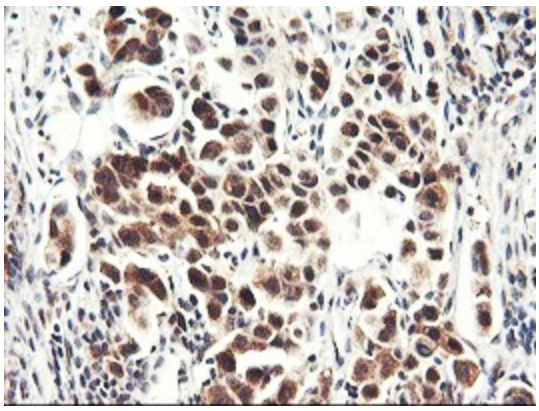
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



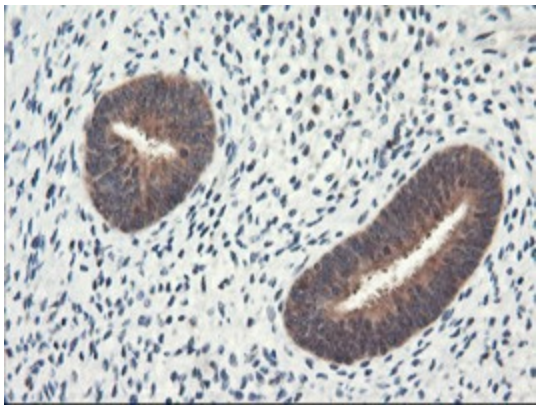
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



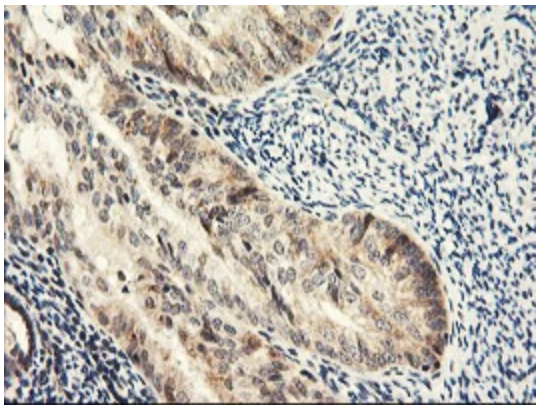
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



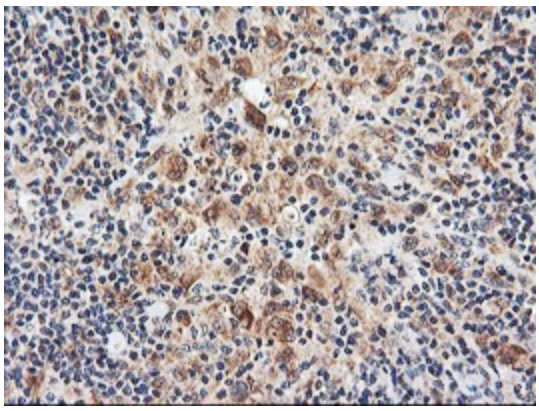
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



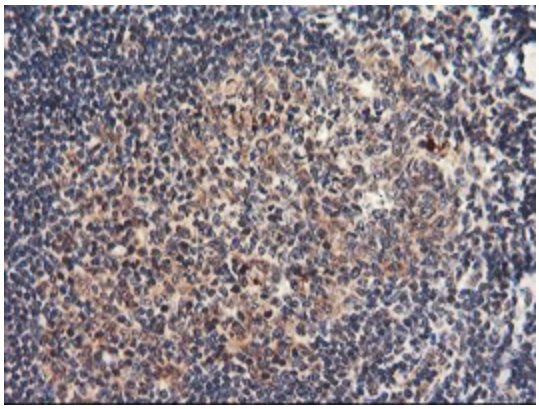
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



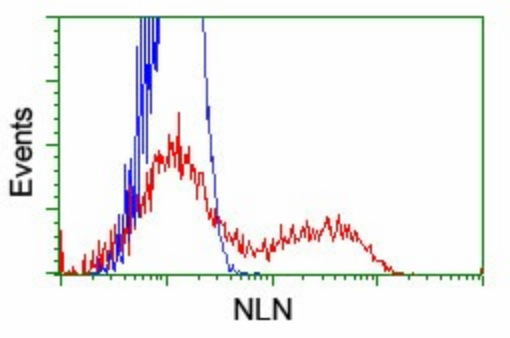
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



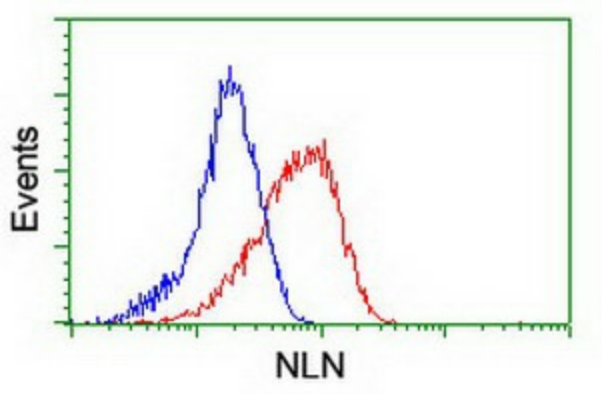
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



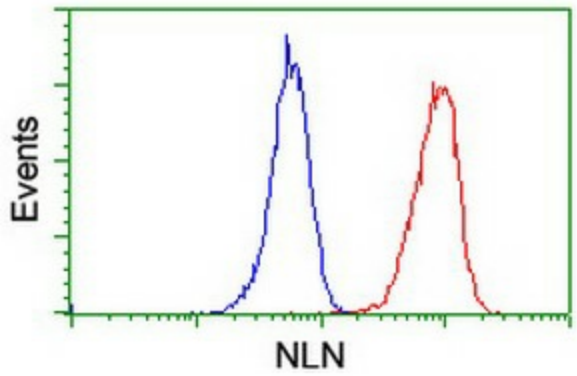
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-NLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503978])



HEK293T cells transfected with either [RC212447] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NLN antibody ([TA503978]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-NLN antibody ([TA503978]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-NLN antibody ([TA503978]), (Red), compared to a nonspecific negative control antibody, (Blue).