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Product datasheet for TA506141

DDX58 Mouse Monoclonal Antibody [Clone ID: OTI6C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6C1
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:4000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DDX58(NP_055129) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	106.4 kDa
Gene Name:	DExD/H-box helicase 58
Database Link:	NP_055129 Entrez Gene 23586 Human O95786
Background:	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of immune response. [provided by RefSeq, Jul 2008]

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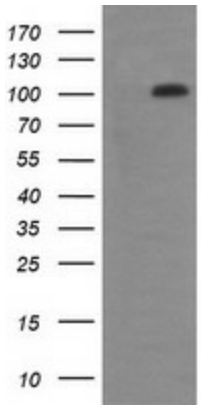
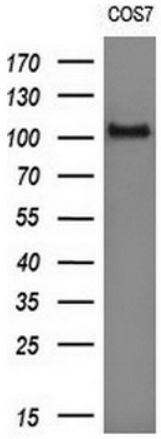
Synonyms: RIG-I; RIGI; RLR-1

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

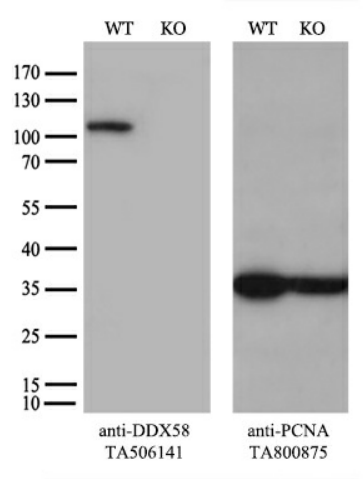
Product images:



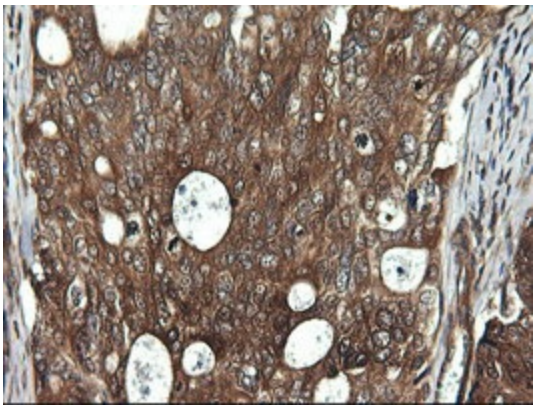
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DDX58 (Cat# [RC217615], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DDX58(Cat# TA506141). Positive lysates [LY415370] (100ug) and [LC415370] (20ug) can be purchased separately from OriGene.



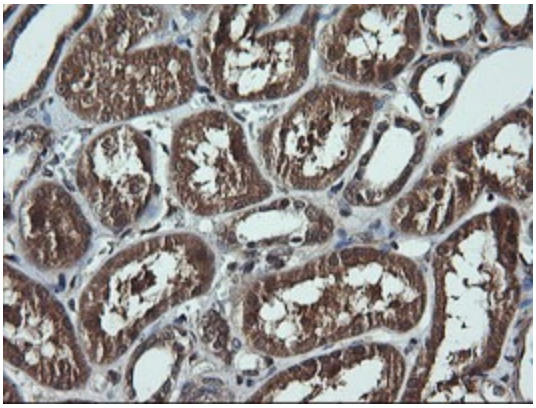
Western blot analysis of extracts (10ug) from 1 cell line by using anti-DDX58 monoclonal antibody (1:200).



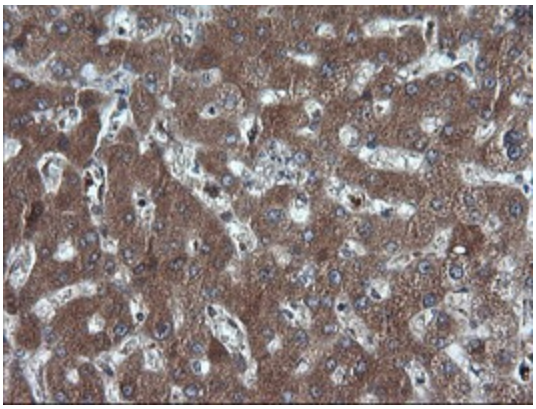
Equivalent amounts of cell lysates (10 ug per lane) of wild-type A549 cells and DDX58-Knockout A549 cells (KO, Cat# [LC806244]) were separated by SDS-PAGE and immunoblotted with anti-DDX58 monoclonal antibody TA506141 (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



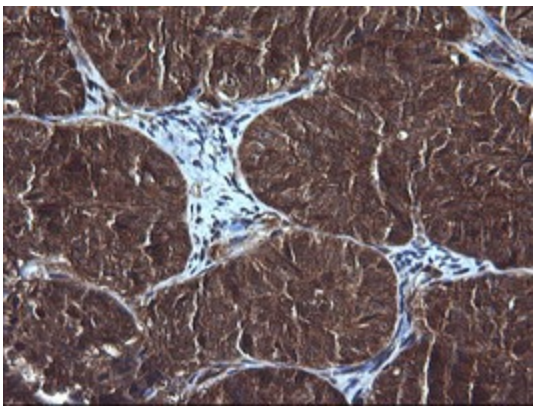
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DDX58 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506141)



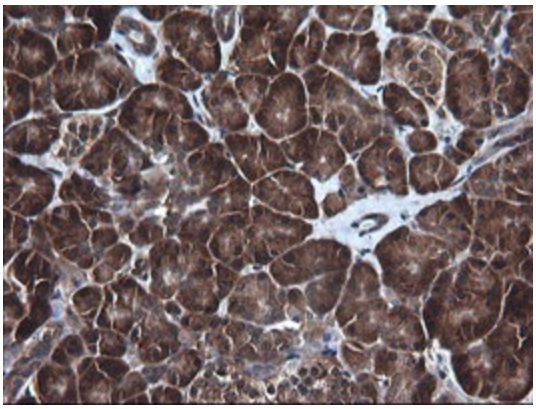
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DDX58 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506141)



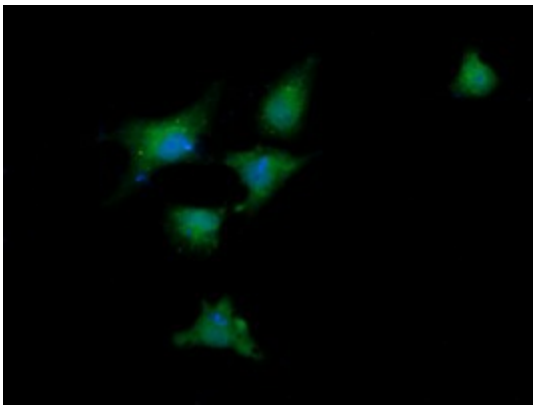
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DDX58 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506141)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DDX58 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506141)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DDX58 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506141)



Anti-DDX58 mouse monoclonal antibody (TA506141) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DDX58 ([RC217615]).