

Product datasheet for **UM500068CF**

Kallikrein 8 (KLK8) Mouse Monoclonal Antibody [Clone ID: UMAB84]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB84
Applications:	IHC, WB
Recommended Dilution:	IHC 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human KLK8(NP_009127) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	27.9 kDa
Gene Name:	kallikrein related peptidase 8
Database Link:	NP_009127 Entrez Gene 11202 Human O60259



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Background:

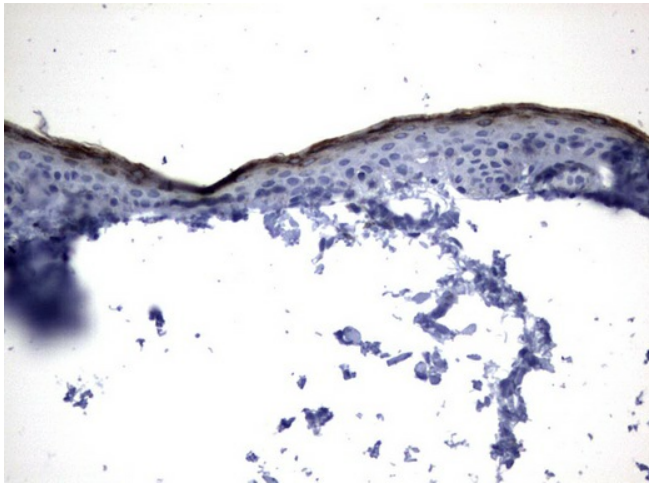
Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in four transcript variants encoding four different isoforms. The isoforms exhibit distinct patterns of expression that suggest roles in brain plasticity and ovarian cancer. [provided by RefSeq, Jul

Synonyms:

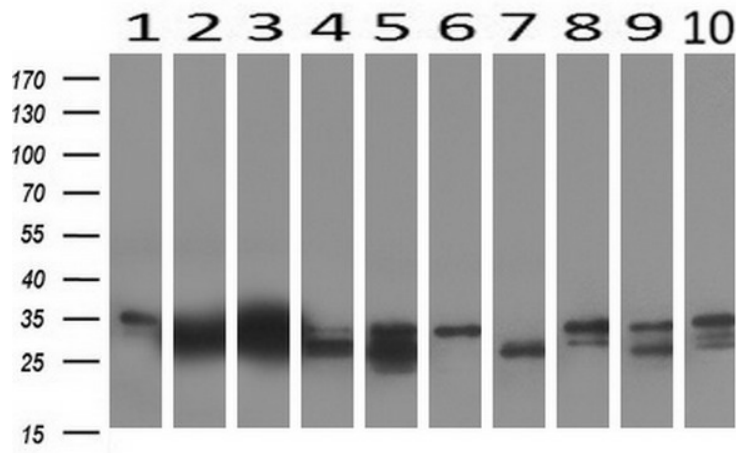
HNP; NP; NRPN; PRSS19; TADG14

Protein Families:

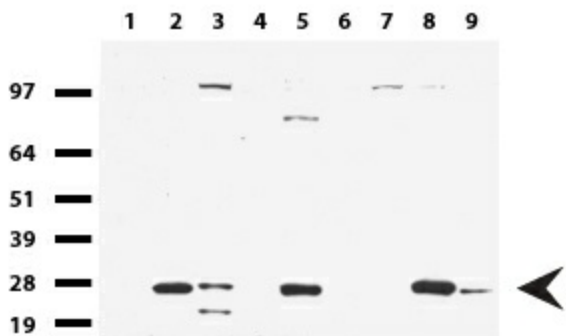
Druggable Genome, Secreted Protein, Transmembrane

Product images:


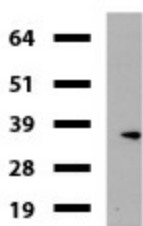
Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-KLK8 mouse monoclonal antibody. ([UM500068]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-KLK8 monoclonal antibody at 1:500 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon; 10: spleen).



Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7). Dilution: 1:500



Western blot of mouse tissue lysates (20ug) from Uterus. Primary antibody dilution: 1:500. Secondary antibody dilution: Mouse TrueBlot® Ultra (1:1000).