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Product datasheet for TA504127AM

SERPINB6 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1C5
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SERPINB6(NP_004559) 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.
Gene Name:	serpin family B member 6
Database Link:	NP_004559 Entrez Gene 716411 MonkeyEntrez Gene 5269 Human P35237

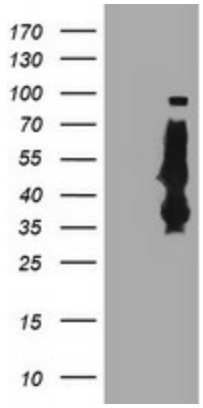
View online »

Background: The protein encoded by this gene is a member of the serpin (serine proteinase inhibitor) superfamily, and ovalbumin(ov)-serpin subfamily. It was originally discovered as a placental thrombin inhibitor. The mouse homolog was found to be expressed in the hair cells of the inner ear. Mutations in this gene are associated with nonsyndromic progressive hearing loss, suggesting that this serpin plays an important role in the inner ear in the protection against leakage of lysosomal content during stress, and that loss of this protection results in cell death and sensorineural hearing loss. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

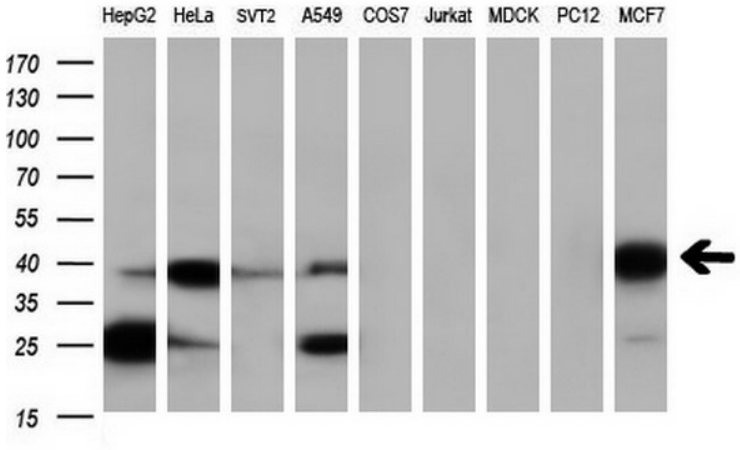
Synonyms: CAP; DFNB91; MSTP057; PI-6; PI6; PTI; SPI3

Protein Families: Druggable Genome

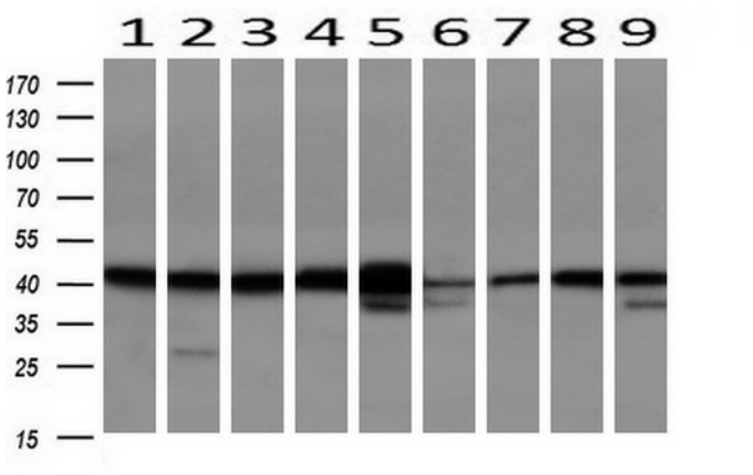
Product images:



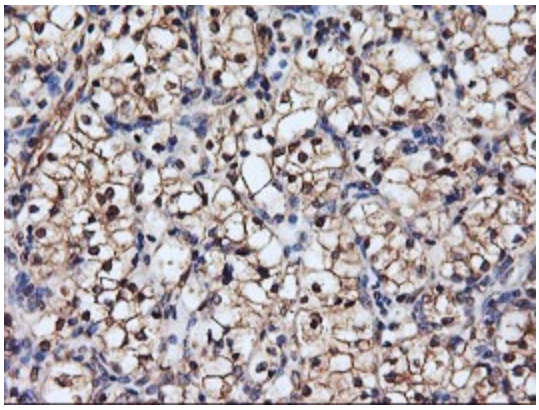
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SERPINB6 (Cat# [RC200668], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SERPINB6(Cat# [TA504127]). Positive lysates [LY417897] (100ug) and [LC417897] (20ug) can be purchased separately from OriGene.



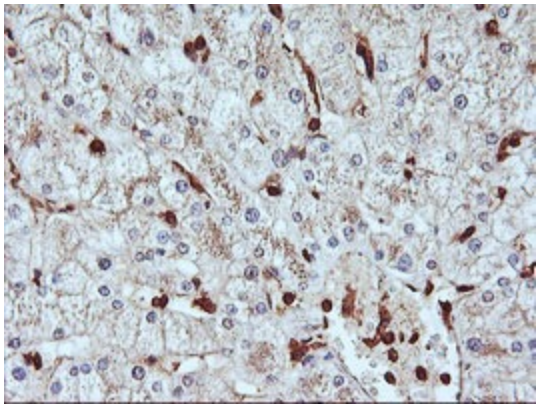
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SERPINB6 monoclonal antibody.



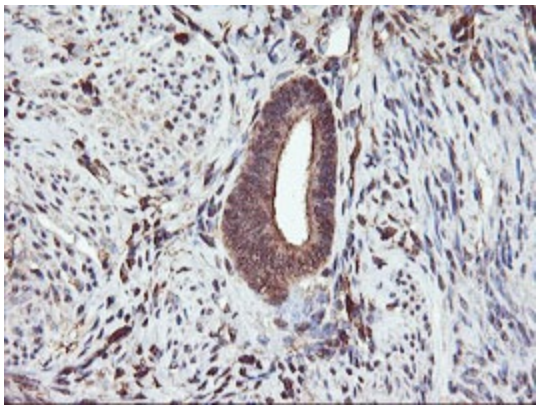
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-SERPINB6 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



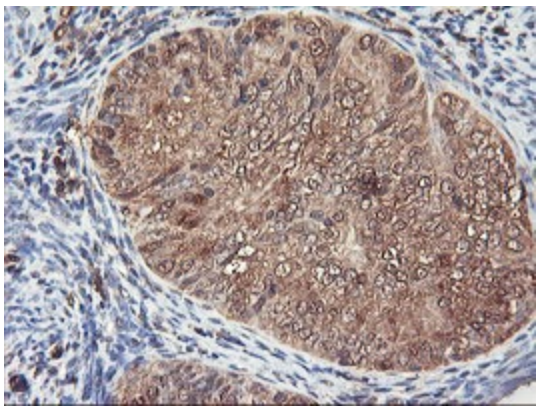
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-SERPINB6 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504127])



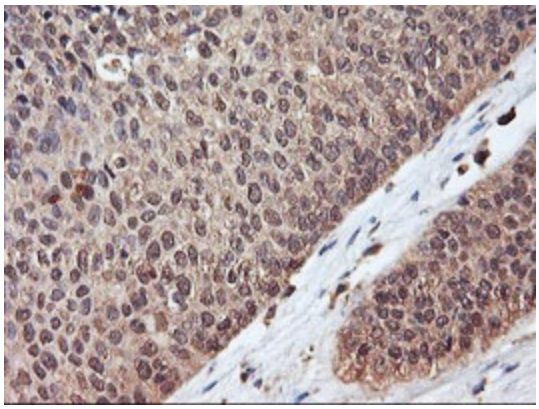
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-SERPINB6 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504127])



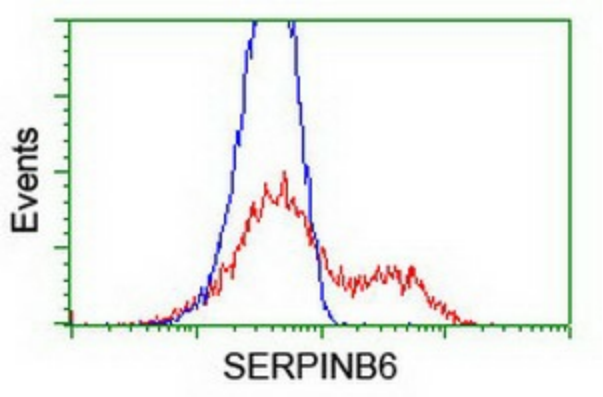
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-SERPINB6 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504127])



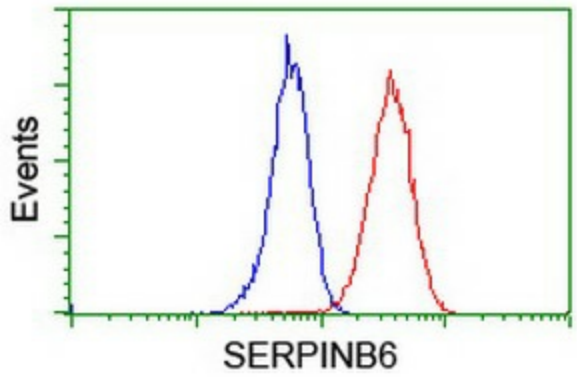
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-SERPINB6 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504127])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-SERPINB6 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504127])



HEK293T cells transfected with either [RC200668] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SERPINB6 antibody ([TA504127]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-SERPINB6 antibody ([TA504127]), (Red), compared to a nonspecific negative control antibody, (Blue).