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SERPINB11 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18302c

Product Information

Application	WB, E
Primary Accession	Q96P15
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38395
Calculated MW	44092
Antigen Region	170-196

Additional Information

Gene ID	89778
Other Names	Serpin B11, SERPINB11
Target/Specificity	This SERPINB11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 170-196 amino acids from the Central region of human SERPINB11.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SERPINB11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

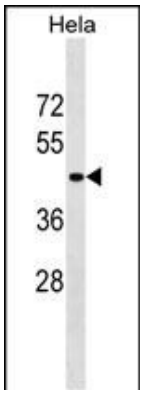
Name	SERPINB11
Function	Has no serine protease inhibitory activity, probably due to variants in the scaffold impairing conformational change.
Cellular Location	Cytoplasm.

Tissue Location	Detected in a restricted number of tissues, including lung, placenta, prostate, and tonsil

Background

SerpinB11 is a serine proteinase inhibitor of the ovalbumin-like B clade of serpins. It was first discovered in human lung and prostate. Little is known about SerpinB11 tissue distribution and function. Splice variants of 305, 278 and 190 amino acids have been reported, with predicted masses of 33.97, 31.6 and 21.1 kDa respectively, and pIs of 8.11, 9.03 and 6.07 respectively. The 305 and 190 amino acid forms share the same aminoterminus as the 392 amino acid form. The 305 amino acid form has a deletion in residues 120-206, of the 392 amino acid form. The 190 amino acid form has a deletion in residues 57-259 relative to the long form. The 278 amino acid form starts at the third methionine, relative to the long form. All four forms contain the reactive center loop of the long form, but it is unknown if the shorter forms are active serpins. The predicted isoelectric points of SerpinB11 are significantly more basic than the other B clade serpins, and suggest a different localization or function for this serpin.

Images



SERPINB11 Antibody (Center) (Cat. #AP18302c) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the SERPINB11 antibody detected the SERPINB11 protein (arrow).