

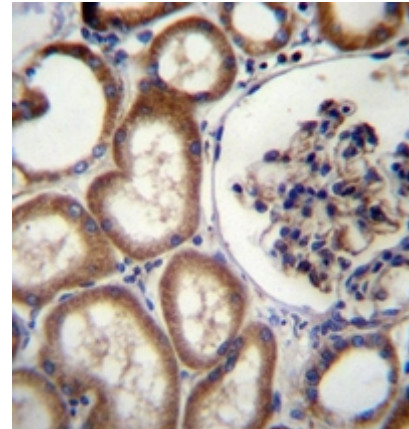
AP52627PU-N

Polyclonal Antibody to MBTPS2 (N-term) - Aff - Purified

Alternate names:	Membrane-bound transcription factor site-2 protease, S2P, S2P endopeptidase, Site-2 protease, Sterol regulatory element-binding proteins intramembrane protease
Quantity:	0.4 ml
Concentration:	0.5 mg/ml
Background:	This gene encodes a intramembrane zinc metalloprotease, which is essential in development. This protease functions in the signal protein activation involved in sterol control of transcription and the ER stress response. Mutations in this gene have been associated with ichthyosis follicularis with atrichia and photophobia (IFAP syndrome); IFAP syndrome has been quantitatively linked to a reduction in cholesterol homeostasis and ER stress response.
Uniprot ID:	O43462
NCBI:	NP_056968
GeneID:	51360
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 14-44 amino acids from the N-terminal region of human MBTPS2
Format:	State: Liquid purified Ig fraction Purification: Protein A column, followed by peptide affinity purification Buffer System: PBS containing 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human MBTPS2 (N-term).
Add. Information:	Molecular Weight: 57444 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Ming, A., et al. <i>Pediatr Dermatol</i> 26(4):427-431(2009) Oeffner, F., et al. <i>Am. J. Hum. Genet.</i> 84(4):459-467(2009) Lu, Y., et al. <i>J. Lipid Res.</i> 49(12):2582-2589(2008) Shen, J., et al. <i>J. Biol. Chem.</i> 279(41):43046-43051(2004) Lee, K., et al. <i>Genes Dev.</i> 16(4):452-466(2002)

Pictures:

Immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue reacted with MBTPS2 Antibody (N-term) Cat.-No AP52627PU-N, which peroxidase conjugated to the secondary antibody and was followed by AB staining.



Western blot analysis of MBTPS2 Antibody (N-term) Cat.-No AP52627PU-N in NCI-H292 cell line lysates (35ug/lane). This demonstrates the MBTPS2 antibody detected the MBTPS2 protein (arrow).

