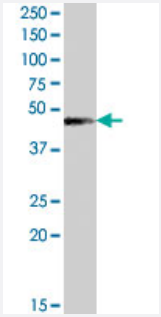
TMPRSS3 polyclonal antibody

Catalog # PAB7409 Size 100 ug

Applications



Western Blot (Cell lysate)

TMPRSS3 polyclonal antibody (Cat # PAB7409) (0.1 ug/mL) staining of A-431 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TMPRSS3.
Immunogen	A synthetic peptide corresponding to human TMPRSS3.
Sequence	C-EKIVYHSKYKPKR
Host	Goat
Theoretical MW (kDa)	49.4, 35.8, 37.5
Reactivity	Human
Specificity	This antibody is expected to recognize all four reported isoforms (NP_076927.1; NP_115777.1; NP_115780.1; NP_115781.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TMPRSS3

Entrez GeneID	64699
Protein Accession#	NP_076927.1;NP_115777.1;NP_115780.1;NP_115781.1
Gene Name	TMPRSS3
Gene Alias	DFNB10, DFNB8, ECHOS1, TADG12
Gene Description	transmembrane protease, serine 3
Omim ID	601072 605316 605511
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that belongs to the serine protease family. The encoded protein cont ains a serine protease domain, a transmembrane domain, a LDL receptor-like domain, and a sc avenger receptor cysteine-rich domain. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified by its association with both congenital and childhood onset autosomal recessive d eafness. This gene is expressed in fetal cochlea and many other tissues, and is thought to be invo lved in the development and maintenance of the inner ear or the contents of the perilymph and end olymph. This gene was also identified as a tumor associated gene that is overexpressed in ovaria n tumors. Alternatively spliced transcript variants have been described. [provided by RefSeq

Other Designations	OTTHUMP00000109345|serine protease TADG12

Publication Reference

- Pathogenic mutations but not polymorphisms in congenital and childhood onset autosomal recessive deafness disrupt the proteolytic activity of TMPRSS3.

  Lee YJ, Park D, Kim SY, Park WJ.

  Journal of Medical Genetics 2003 Aug; 40(8):629.

Disease

- Deafness
- Syndrome