

## TMPRSS6 Polyclonal Antibody

Catalog number: 12950-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

TMPRSS6; IRIDA, Matriptase 2,

TMPRSS6



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12950-1-AP (TMPRSS6 antibody) at dilution of 1:500

### Background

The type II transmembrane serine protease TMPRSS6 (also known as matriptase-2) controls iron homeostasis through its negative regulation of expression of hepcidin, a key hormone involved in iron metabolism. Upstream of the hepcidin-regulated signaling pathway, TMPRSS6 cleaves its target substrate hemojuvelin (HJV) at the plasma membrane (PMID:21724843). It belongs to the peptidase S1 family. Defects in TMPRSS6 are the cause of iron-refractory iron deficiency anemia (IRIDA). It has 4 isoforms produced by alternative splicing.

### Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated TMPRSS6 MW:	89kd
Observed TMPRSS6 MW:	52kd
Positive WB detected in	HEK-293 cells, HepG2 cells, MCF7 cells, mouse liver tissue
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4076
GenBank accession number:	BC039082
Gene ID (NCBI):	164656
Full name:	Transmembrane protease, serine 6

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.