

PRSS12 Rabbit pAb

Catalog No.: A14319

Basic Information

Observed MW

97kDa

Calculated MW

97kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Mouse, Rat

Background

This gene encodes a member of the trypsin family of serine proteases and contains a signal peptide, a proline-rich region, a Kringle domain, four scavenger receptor cysteine-rich domains, and a trypsin-like serine protease domain. The protein, sometimes referred to as neurotrypsin or motopsin, is secreted from neuronal cells and localizes to the synaptic cleft. Studies in mice show that this protein cleaves a protein, agrin, that is important for the formation and maintenance of excitatory synapses. Defects in this gene cause a form of autosomal recessive cognitive impairment (MRT1).

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

8492

Swiss Prot

P56730

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 21-300 of human PRSS12 (NP_003610.2).

Synonyms

MRT1; BSSP3; BSSP-3; PRSS12

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

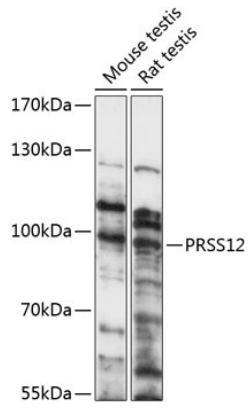
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using PRSS12 Rabbit pAb (A14319) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.