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**Research Use Only. Not for  
diagnostic or therapeutic use.**

Storage: For long-term storage  
keep aliquots at -20°C. (Store no  
longer than 12 months at 4°C).  
Minimize freezing and thawing.

## EB05341 - Goat Anti-Spinesin / TMPRSS5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SPINESIN, MGC148044, MGC141886, transmembrane protease, serine 5 (spinesin), SPINESIN, TMPRSS5

**Official Symbol:** TMPRSS5

**Accession Number(s):** NP\_110397.2

**Human GeneID(s):** [80975](#)

### Immunogen

Peptide with sequence C-LDWIHDTAQDSL, from the C Terminus of the protein sequence according to NP\_110397.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

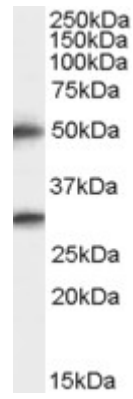
**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Experiments gave bands at approx 50kDa and 29kDa in Human Brain (Cerebral Cortex) lysates and in Mouse and Rat Brain lysates after 0.5µg/ml antibody staining. These bands correspond to earlier findings in literature with different antibodies (Yamaguchi et al, J Biol Chem. 2002 Mar 1;277(9):6806-12; PMID: 11741986). This protein has a calculated MW of 49.6kDa according to NP\_110397.1. Recommended concentration: 0.5-1.5µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog



EB05341 staining (0.5 $\mu$ g/ml) of Human Brain (Cerebral Cortex) lysate (RIPA buffer, 35 $\mu$ g total protein per lane).  
Primary incubated for 1 hour. Detected by western blot using chemiluminescence.