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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.

## EB05291 - Goat Anti-ASC / TMS1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TMS-1, target of methylation-induced silencing-1, caspase recruitment domain protein 5, apoptosis-associated speck-like protein containing a CARD, TMS, MGC10332, CARD5, PYD and CARD domain containing, TMS1, ASC, PYCARD

**Official Symbol:** PYCARD

**Accession Number(s):** NP\_037390.2; NP\_660183.1

**Human GeneID(s):** [29108](#)

**Important Comments:** This antibody is expected to recognise all reported Human isoforms according to NP\_037390.2 and NP\_660183.1.

### Immunogen

Peptide with sequence C-RESQSYLVEDLERS, from the C Terminus of the protein sequence according to NP\_037390.2; NP\_660183.1.

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.

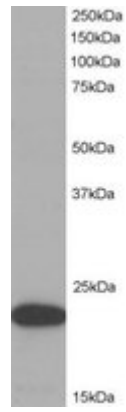
**Western blot:** Approx. 22kDa band observed in HeLa and Human Kidney lysates (predicted MW of 22kDa according to NP\_037390.2). Recommended for use at 1-3µg/ml.

**IHC:** In paraffin embedded Human Liver shows staining of sinusoidal lining cells. Recommended concentration, 2-4µg/ml.

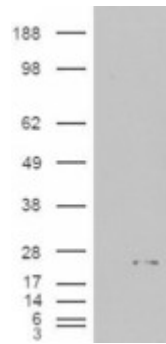
### Species Reactivity

**Tested:** Human

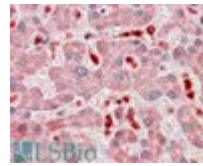
**Expected from sequence similarity:** Human



EB05291 (1 $\mu$ g/ml) staining of HeLa lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing ASC (RC215592) and probed with EB05291 (mock transfection in first lane).



EB05291 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.