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# EB08826 - Goat Anti-LASS5+6 / CerS5+6 Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** LASS5, LAG1 homolog, ceramide synthase 5, CerS5, FLJ25304, MGC45411, Trh4, LAG1 longevity assurance homolog 5
**Official Symbol:** LASS5
**Accession Number(s):** NP_671723.1; NP_982288.1
**Human GeneID(s):** 91012 , 253782
**Non-Human GeneID(s):** 71949 (mouse), 366984 (rat)
**Important Comments:** This antibbody is expected to cross-react with the highly similar LASS6.

## Immunogen

Peptide with sequence C-RGKVSKDDRSDVES, from the internal region of the protein sequence according to NP_671723.1; NP_982288.1.

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 1:4000.
**Western blot:** Preliminary experiments gave an approx. 60kDa band in lysates of HEK293, HeLa and HepG2 after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 45.8kDa according to NP_671723.1. The 60kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

## Species Reactivity

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