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EB10621 - Goat Anti-parotid secretory protein (mouse aa146-160) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Psp, parotid secretory protein, OTTMUSP00000018314,

OTTMUSP00000036473, Bpifa2e

Official Symbol: Bpifa2

Accession Number(s): NP_032979.1 Non-Human GenelD(s): 19194 (mouse)

Immunogen

Peptide with sequence C-KTNAQTGLPEVTIGK, from the internal region of the protein sequence according to NP_032979.1.

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 1:128000.

Western blot: Approx 25kDa band observed in Mouse mandibular glands from E17 onwards (calculated MW of 24.8kDa according to NP_032979.1). Recommended concentration: 1-3µg/ml. Data provided by Everest Grant winner Melinda Larsen, State University of New York, Albany, NY. This antibody has been successfully used in WB on Mouse, PMID: 32390232.

Immunocytochemistry: A subset of murine submandibular gland cells (E18) show specific staining in secretory granules. Recommended concentration 4ug/ml. Data provided by Everest Grant winner Melinda Larsen, State University of New York, Albany, NY.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Mouse

Specific References

This antibody has been successfully used in Western blot on Mouse:

Seshagiri Rao Nandula, Ian Huxford, Thomas T. Wheeler, Conrado Aparicio and Sven■Ulrik Gorr

The parotid secretory protein BPIFA2 is a salivary surfactant that affects lipopolysaccharide action

Exp Physiol. 2020 May 11. doi: 10.1113/EP088567

PMID: 32390232

This antibody has been successfully used in ICC/ IF on Mouse:

Tanaka, J., Ogawa, M., et al.

Generation of orthotopically functional salivary gland from embryonic stem cells.

Nat Commun. 2018 Oct 11;9(1):4216.

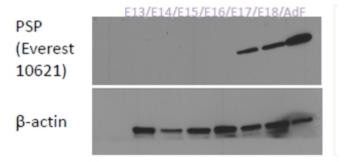
PMID: 30310071

This antibody has been successfully used in IF on Mouse:

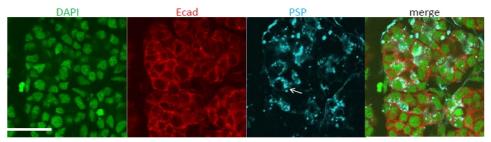
Ono H, Obana A, Usami Y, Sakai M, Nohara K, Egusa H, Sakai T.

Regenerating Salivary Glands in the Microenvironment of Induced Pluripotent Stem Cells. Biomed Res Int. 2015;2015:293570. doi: 10.1155/2015/293570. Epub 2015 Jun 22.

PMID: 26185754



EB10621 (1μg/ml) staining of Mouse Mandibular Gland cell lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence (Super Signal).



EB10621 (4ug/ml) staining of Mouse Submanidbular gland cells (in blue). Counter staining of Ecad in red and nuclear staining in green.