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

EB08171 - Goat Anti-EPB41L2 / 4.1G (aa 347 to 357) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: EPB41L2, erythrocyte membrane protein band 4.1-like 2, RP3-324N14.1, 4.1-G, DKFZp781D1972, DKFZp781H1755, OTTHUMP00000040262, erythrocyte membrane protein band 4.1 like-protein 2

Official Symbol: EPB41L2

Accession Number(s): NP_001422.1

Human GeneID(s): [2037](#)

Immunogen

Peptide with sequence C-DYDPEEHGSID, from the internal region of the protein sequence according to NP_001422.1.

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 1:16000.

Western blot: Preliminary experiments gave an approx 46kDa band in Human Brain (cerebellum) and Ovary lysates after 0.3µg/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 113kDa according to NP_001422.1. The 46kDa band was successfully blocked by incubation with the immunizing peptide.

IHC: Paraffin embedded Human Uterus and Breast. Recommended concentration: 2.5µg/ml.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

PMID: 30377371

EB08171 (2.5µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB08171 (2.5µg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.