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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.

EB07656 - Goat Anti-ACP2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ACP2 (beta subunit), lysosomal acid phosphatase 2, acid phosphatase 2, lysosomal, ACP2

Official Symbol: ACP2

Accession Number(s): NP_001601.1

Human GeneID(s): [53](#)

Non-Human GeneID(s): 11432 (mouse), 24162 (rat)

Immunogen

Peptide with sequence C-QNETRQTPEYQN, from the internal region of the protein sequence according to NP_001601.1.

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 35kDa band in Human Bone Marrow lysates after 1µg/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 48.3kDa according to NP_001601.1. The 35kDa 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

Background Reference

Mannan AU, Roussa E, Kraus C, Rickmann M, Maenner J, Nayernia K, Kriegelstein K, Reis A, Engel W.

Mutation in the gene encoding lysosomal acid phosphatase (Acp2) causes cerebellum and skin malformation in mouse.

Neurogenetics. 2004 Dec;5(4):229-38. Epub 2004 Oct 22.

PMID: 15503243