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diagnostic or therapeutic use.**

EB07100 - Goat Anti-PARP4 / VPARP Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PARP4, poly (ADP-ribose) polymerase family, member 4, HGNC:271, ADPRTL1, PARPL, PH5P, VAULT3, VPARP, p193, ADP-ribosyltransferase (NAD poly ADP-ribose polymerase)-like 1, H5 proline-rich I-alpha-I-related, OTTHUMP00000042288, PARP-related, poly(ADP-ribose) synthetase, poly(ADP-ribosyl)transferase-like 1, vault protein, 193-kDa

Official Symbol: PARP4

Accession Number(s): NP_006428.1

Human GeneID(s): [143](#)

Immunogen

Peptide with sequence DTHELKQKRTDC, from the internal region of the protein sequence according to NP_006428.1.

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 80-85kDa band in Human Tonsil and HeLa 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 193kDa according to NP_006428.1. The 80-85kDa 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

Zheng CL, Sumizawa T, Che XF, Tsuyama S, Furukawa T, Haraguchi M, Gao H, Gotanda T, Jueng HC, Murata F, Akiyama S.

Characterization of MVP and VPARP assembly into vault ribonucleoprotein complexes.

Biochem Biophys Res Commun. 2005 Jan 7;326(1):100-7.

PMID: 15567158