

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB11130 - Goat Anti-DOC2A (aa233-246) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Doc2, doc2-alpha, double C2-like domain-containing protein alpha,

double C2-like domains, alpha, DOC2A

Official Symbol: DOC2A

Accession Number(s): NP_003577.2

Human GeneID(s): 8448

Non-Human GenelD(s): 13446 (mouse), 65031 (rat)

Immunogen

Peptide with sequence SCYLKELEQAEQGQ, from the internal region of the protein sequence according to NP_003577.2.

Please note the <u>peptide</u> 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.

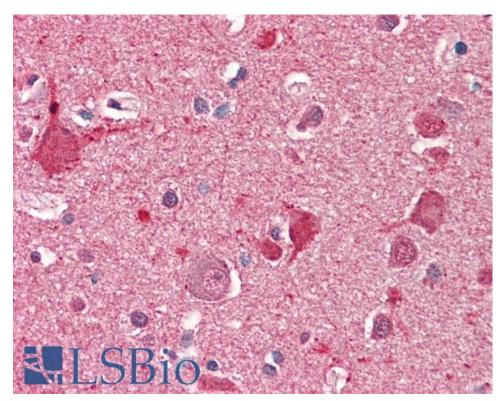
Western blot: Preliminary experiments gave an approx 50kDa band in Human, Mouse and Rat Brain lysates after $0.3 \, \mu g/ml$ antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 44kDa according to NP_003577.2. The 50kDa band was successfully blocked by incubation with the immunizing peptide.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

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



EB11130 ($5\mu g/ml$) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.