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Research Use Only. Not for diagnostic or therapeutic use.

EB09974 - Goat Anti-CPLA2-zeta Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: cPLA2-zeta, cytosolic phospholipase A2 zeta, DKFZp666G192, DKFZp781B229, phospholipase A2, group IVF, PLA2G4FZ, PLA2G4F
Official Symbol: PLA2G4F
Accession Number(s): NP_998765.3
Human GeneID(s): 255189

Immunogen

Peptide with sequence C-QTAEEKAFGDFVINR, from the internal region (near C Terminus) of the protein sequence according to NP_998765.3.

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 bands at approx 55-60kDa and 35kDa in Human Placenta lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 95.1kDa according to NP_998765.3. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). 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, Cow