

Goat anti-CBARA1 (aa113-126) Antibody

Item Number	dAP-2371
Target Molecule	Principle Name: CBARA1 (aa113-126); Official Symbol: CBARA1; All Names and Symbols: CBARA1; calcium binding atopy-related autoantigen 1; CALC; DKFZp564C246; EFHA3; FLJ12684; OT-THUMP00000019787; ara CALC; atopy related autoantigen; atopy-related autoantigen CALC; calcium-binding atopy-related autoantigen 1; Accession Number (s): NP_006068.2; NP_001182447.1; Human Gene ID(s): 10367; Non-Human GeneID(s): 216001 (mouse) 365567 (rat)
Immunogen	EYENRIRAYSTPKD, is from internal region This antibody is expected to recognize reported isoforms 1 and 2 (NP_006068.2; NP_001182447.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 55kDa band observed in lysates of cell line K562 (calculated MW of 54.6kDa according to NP_006068.2). Recommended concentration: 0.5-2µg/ml. An additional band of unknown identity was also consistently observed at 37kDa. This band was
IHC	Immunohistochemistry: Paraffin embedded Human Lung. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Perocchi F, Gohil VM, Girgis HS, Bao XR, McCombs JE, Palmer AE, Mootha VK, MICU1 encodes a mitochondrial EF hand protein required for Ca(2+) uptake. Nature 2010 Sep 467 (7313): 291-6..PMID: 20693986->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**