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Research Use Only. Not for diagnostic or therapeutic use.

EB10862 - Goat Anti-CBARA1 (aa113-126) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CBARA1, calcium binding atopy-related autoantigen 1, CALC, DKFZp564C246, EFHA3, FLJ12684, OTTHUMP00000019787, ara CALC, atopy related

autoantigen, calcium-binding atopy-related autoantigen 1

Official Symbol: MICU1

Accession Number(s): NP_006068.2; NP_001182447.1

Human GenelD(s): 10367

Non-Human GenelD(s): 216001 (mouse), 365567 (rat)

Important Comments: This antibody is expected to recognize reported isoforms 1 and 2

(NP_006068.2; NP_001182447.1).

Immunogen

Peptide with sequence C-EYENRIRAYSTPDK, from the internal region of the protein sequence according to NP_006068.2; NP_001182447.1.

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 1:32000.

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 successfully blocked by incubation with the immunizing peptide.

IHC: Paraffin embedded Human Lung. Recommended concentration: 3.75µg/ml.

Species Reactivity

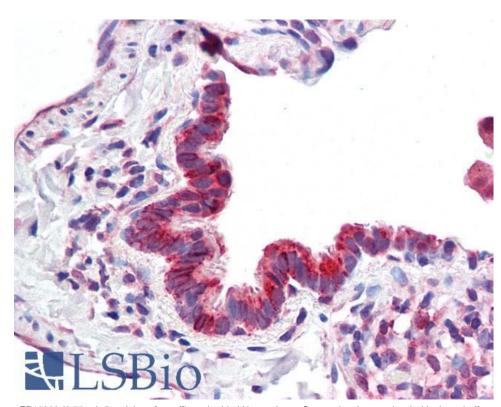
Tested: Human

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

15kDa

EB10862 ($0.5\mu g/ml$) staining of K562 lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10862 (3.75 μ g/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.