



## UK Office

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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 GeneID(s):** [10367](#)

**Non-Human GeneID(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

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

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