

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB09839 - Goat Anti-CHCHD3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: coiled-coil-helix-coiled-coil-helix domain containing 3, FLJ20420,

CHCHD3

Official Symbol: CHCHD3

Accession Number(s): NP_060282.1

Human GeneID(s): 54927

Non-Human GenelD(s): 296966 (rat)

Immunogen

Peptide with sequence KFKRYESHPVCAD, from the internal region of the protein sequence according to NP_060282.1.

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 1:16000.

Western blot: Approx 26kDa band observed in Human Brain (Cerebellum) and Heart lysates (calculated MW of 26.2kDa according to NP_060282.1). Recommended concentration: 1-3µg/ml. A customer found ~30kDa in THP1 and in Human primary monocyte derived dendritic cells.

IHC: Paraffin embedded Human Heart and Skeletal Muscle. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

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

Specific Reference

This antibody has been successfully used in IF on Human:

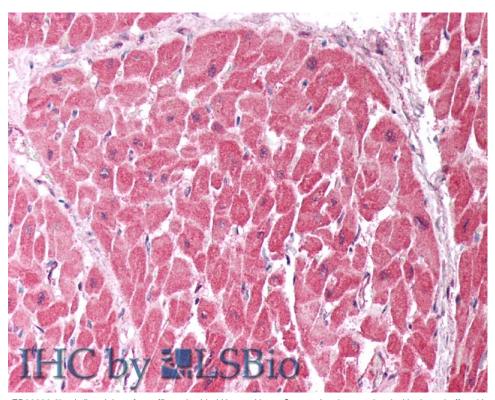
Steffen J, Vashisht AA, Wan J, Jen JC, Claypool SM, Wohlschlegel J, Koehler CM. Rapid degradation of mutant SLC25A46 by the ubiquitin-proteasome system results in MFN1/2 mediated hyperfusion of mitochondria.

Mol Biol Cell. 2017 Jan 5.

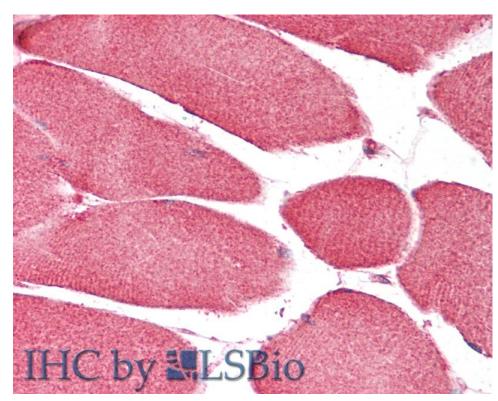
PMID: 28057766

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

EB09839 ($1\mu g/ml$) staining of Human Heart lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09839 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09839 ($5\mu g/ml$) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.