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Research Use Only. Not for diagnostic or therapeutic use.

EB12462 - Goat Anti-MT-ATP6 Antibody
Size: 100µg specific antibody in 200µl

Target Protein
Principal Names: ATP6, MT-ATP6, ATPase6, MTATP6
Official Symbol: MT-ATP6
Accession Number(s): YP_003024031.1
Human GeneID(s): 4508

Immunogen
Peptide with sequence C-PTSKYLINNRLITTQ, from the internal region of the protein sequence according to YP_003024031.1.

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 1:64000.
Western blot: Approx 26kDa band observed in Human Heart, Colon and Ileum lysates (calculated MW of 24.8kDa according to YP_003024031.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Species Reactivity
Tested: Human
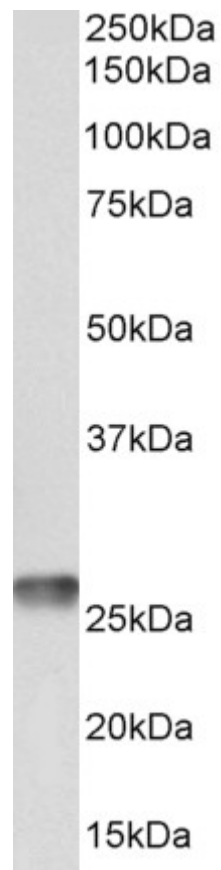**Expected from sequence similarity:** Human

Specific Reference
This antibody has been successfully used in SDS-Page on Human:
Laura Kytövuori, Joonas Lipponen, Harri Rusanen, Tuomas Komulainen, Mika H Martikainen, Kari Majamaa
A novel mutation m.8561C>G in MT-ATP6/8 causing a mitochondrial syndrome with ataxia, peripheral neuropathy, diabetes mellitus, and hypergonadotropic hypogonadism
J Neurol. 2016 Nov;263(11):2188-2195. doi: 10.1007/s00415-016-8249-2. Epub 2016 Aug 8.
PMID: 27502083

EB12462 (0.1μg/ml) staining of Human Heart lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.