

International Office

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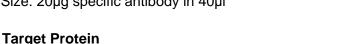
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www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07282-T - Goat Anti-Catalase / CAT Antibody -

Size: 20µg specific antibody in 40µl



Principal Names: CAT, catalase, HGNC:1516, MGC138422, MGC138424

Official Symbol: CAT

Accession Number(s): NP_001743.1

Human GeneID(s): 847

Non-Human GenelD(s): 12359 (mouse)

Immunogen

Peptide with sequence C-DKYNAEKPKNAIHT, from the internal region of the protein sequence according to NP_001743.1.

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 1:128000.

Western blot: Approx 60kDa band observed in Human and Mouse Kidney and Liver lysates (calculated MW of 59.8kDa according to Human NP_001743.1 and Mouse NP_033934.2). Recommended concentration: 0.003-0.01µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 4-6µg/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Dog

Specific References

This antibody (previous batch) has been successfully used in Western blot on Mouse:

Baret P, Le Sage F, Planesse C, Meilhac O, Devin A, Bourdon E, Rondeau P Glycated human albumin alters mitochondrial respiration in preadipocyte 3T3-L1 cells. Biofactors. 2017 Jul 8;43(4):577-592.

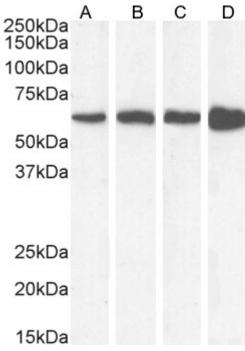
PMID: 28543688

This antibody (previous batch) has been successfully used in Western blot on Mouse:

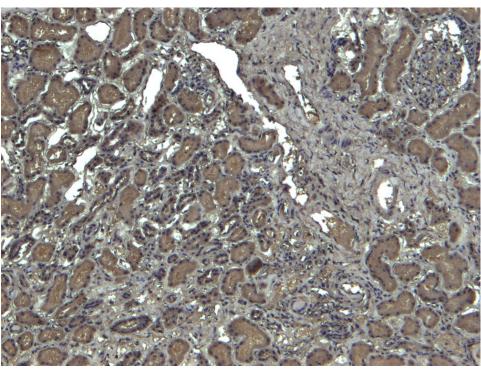
Patche J, Girard D, Catan A, Boyer F, Dobi A, Planesse C, Diotel N, Guerin-Dubourg A, Baret P, Bravo SB, Paradela-Dobarro B, Álvarez E, Essop MF, Meilhac O, Bourdon E, Rondeau P.

Diabetes-induced hepatic oxidative stress: a new pathogenic role for glycated albumin. Free Radic Biol Med. 2017 Jan;102:133-148.

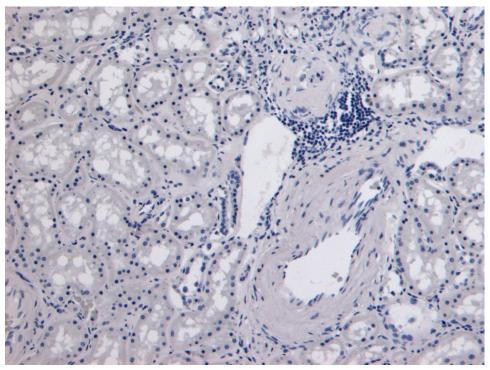
PMID: 27890722



EB07282 (0.01μg/ml) staining of Human Kidney (A) and Liver (B) and Mouse Kidney (C) and Liver (D) lysates (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB07282 ($4\mu g/ml$) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07282 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.