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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07211 - Goat Anti-HRS / HGS Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: HGS, hepatocyte growth factor-regulated tyrosine kinase substrate, HGNC:4897, HRS, ZFYVE8, human growth factor-regulated tyrosine kinase substrate

Official Symbol: HGS

Accession Number(s): NP_004703.1

Human GeneID(s): [9146](#)

Non-Human GeneID(s): 15239 (mouse), 56084 (rat)

Immunogen

Peptide with sequence C-NRNYWEKKQEEARK, from the internal region of the protein sequence according to NP_004703.1.

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: Preliminary experiments gave bands at approx 140kDa and 26kDa in Human lysates of monocytic leukemia cell line U937 after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 86.2kDa according to NP_004703.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands).

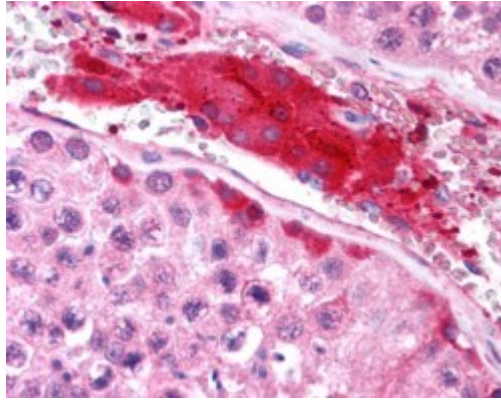
IHC: In paraffin embedded Human Testis shows strong staining of Leydig cells.

Recommended concentration: 1-2µg/ml.

Species Reactivity

Tested: Human

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



EB07211 (2.5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.