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

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB06001 – Goat anti-FOXA3 / HNF3G

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

Target Protein

Principal Names: FOXA3; forkhead box A3; FKHH3; HNF3G; TCF3G; MGC10179; hepatocyte nuclear factor 3, gamma

Official Gene Symbol: FOXA3

Accession Number(s): NP_004488

Human Gene ID(s): 3171

Non-Human GeneID(s): 15377 (mouse); 25100 (rat);

Gene Ontology terms: specific RNA polymerase II transcription factor activity; transcription factor activity; regulation of transcription, DNA-dependent; nucleus

Immunogen

Peptide with sequence C-YQGLYSRSLNAS, from the C Terminus of the protein sequence according to NP_004488

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:2,000. Western Blot: No signal obtained yet but low background observed in Human Testis and Liver lysates at up to 1µg/ml. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Mouse, Rat

Background Reference

Mincheva A, Lichter P, Schutz G, Kaestner KH.

Assignment of the human genes for hepatocyte nuclear factor 3-alpha, -beta, and -gamma (HNF3A, HNF3B, HNF3G) to 14q12-q13, 20p11, and 19q13.2-q13.4.

Genomics. 1997 Feb 1;39(3):417-9.

PMID: 9119385

