

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB06343 - Goat Anti-PAX3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PAX3, WS1, CDHS, HUP2, paired box gene 3 (Waardenburg syndrome 1), paired domain gene 3, paired box homeotic gene 3 (Waardenburg syndrome 1), paired box 3, MGC120381, MGC120382, MGC120383, MGC120384, MGC134778, paired box homeotic gene 3, paired domain gene HuP2

Official Symbol: PAX3

Accession Number(s): NP_852122.1; NP_000429.2; NP_039230.1; NP_852123.1;

NP_852124.1; NP_852126.1; NP_852125.1; NP_001120838.1

Human GeneID(s): 5077

Non-Human GenelD(s): 18505 (mouse), 114502 (rat)

Important Comments: This antibody is expected to recognize all 8 reported isoforms

 $(NP_852122.1; NP_000429.2; NP_039230.1; NP_852123.1; NP_852124.1; \\$

NP_852126.1; NP_852125.1; NP_001120838.1).

Immunogen

Peptide with sequence TTLAGAVPRMM-C, from the N Terminus of the protein sequence according to NP_852122.1; NP_000429.2; NP_039230.1; NP_852123.1; NP_852124.1; NP_852126.1; NP_852125.1; NP_001120838.1.

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: Approx 45kDa band observed in lysates of Human Duodenum, Skin, and in lysates of cell lines A431 (calculated MW of 45.2kDa according to NP_852125.1 and of 44.8kDa according to NP_852126.1). Recommended concentration: 0.3-1μg/ml. Primary incubation was 1 hour.

IHC: In paraffin embedded Human Esophagus expression of PAX3 is detected in squamous epithelium. Recommended concentration: 4.5µg/ml.

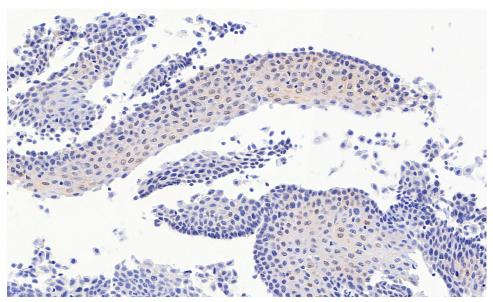
Species Reactivity

Tested: Human

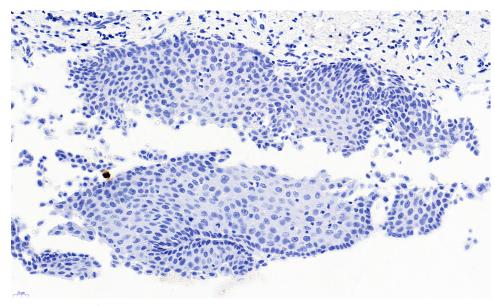
Expected from sequence similarity: Human, Rat, Cow

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

EB06343 (0.3 μ g/ml) staining of Human Duodenum lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB06343 (4.5μg/ml) staining of paraffin embedded Human Esophagus. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06343 Negative Control showing staining of paraffin embedded Human Esophagus, with no primary antibody.