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Research Use Only. Not for diagnostic or therapeutic use.

EB12358 - Goat Anti-keratin 18 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: KRT18, keratin 18, CYK18, K18, CK-18, cell proliferation-inducing gene 46 protein, cell proliferation-inducing protein 46, cytokeratin 18, cytokeratin-18,

keratin, type I cytoskeletal 18, keratin-18

Official Symbol: KRT18

Accession Number(s): NP_000215.1

Human GeneID(s): 3875

Non-Human GenelD(s): 16668 (mouse), 294853 (rat)

Important Comments: Reported variants represent identical protein: NP_000215.1,

NP_954657.1.

Immunogen

Peptide with sequence C-EELDKYWSQQIE, from the internal region of the protein sequence according to NP_000215.1.

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 48kDa band observed in lysates of cell lines A431, HeLa, MCF7 (calculated MW of 48.1kDa according to NP_000215.1) and approx 45kDa in lysates of Pig Liver (calculated MW of 47.4kDa according to XP_005652636.2). Recommended concentration: 0.1-0.3µg/ml.

IHC: Paraffin embedded Human Breast, Placenta and Small Intestine. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Pig

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

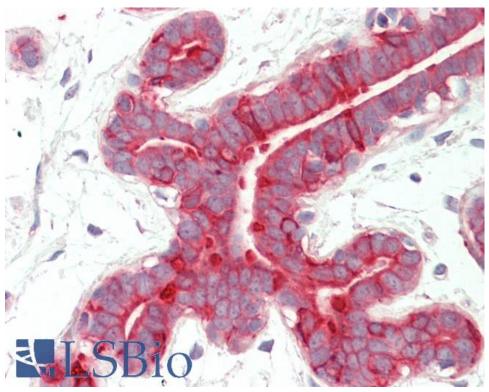


EB12358 (0.1μg/ml) staining of HeLa lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour.

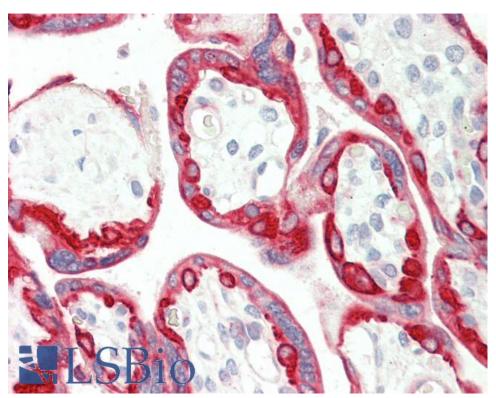
Detected by chemiluminescence.



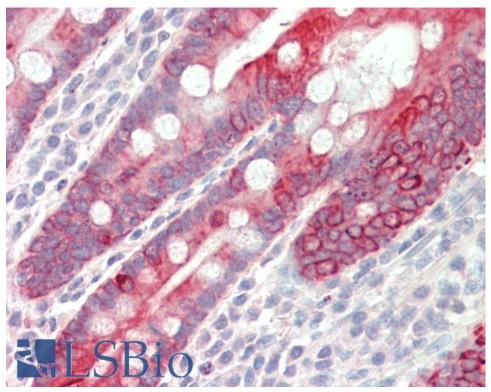
EB12358 (0.1 μ g/ml) staining of Pig Liver lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence



EB12358 (5µg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB12358 ($5\mu g/ml$) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



EB12358 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.