

## UK Office

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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 GeneID(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.

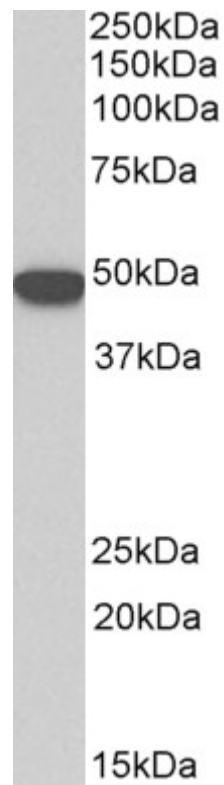
**Western blot:** Approx 48kDa band observed in lysates of cell lines A431, HeLa, MCF7 (calculated MW of 48.1kDa according to NP\_000215.1) and approx 45kDa in lysates of Pig Liver (calculated MW of 47.4kDa according to XP\_005652636.2). Recommended concentration: 0.1-0.3µg/ml.

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

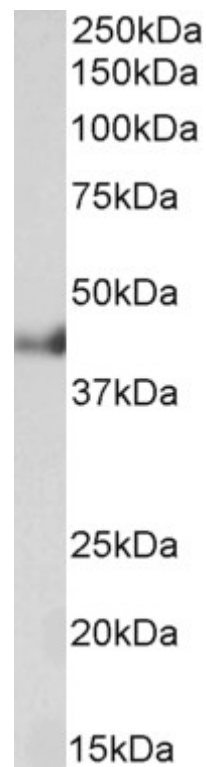
### Species Reactivity

**Tested:** Human, Pig

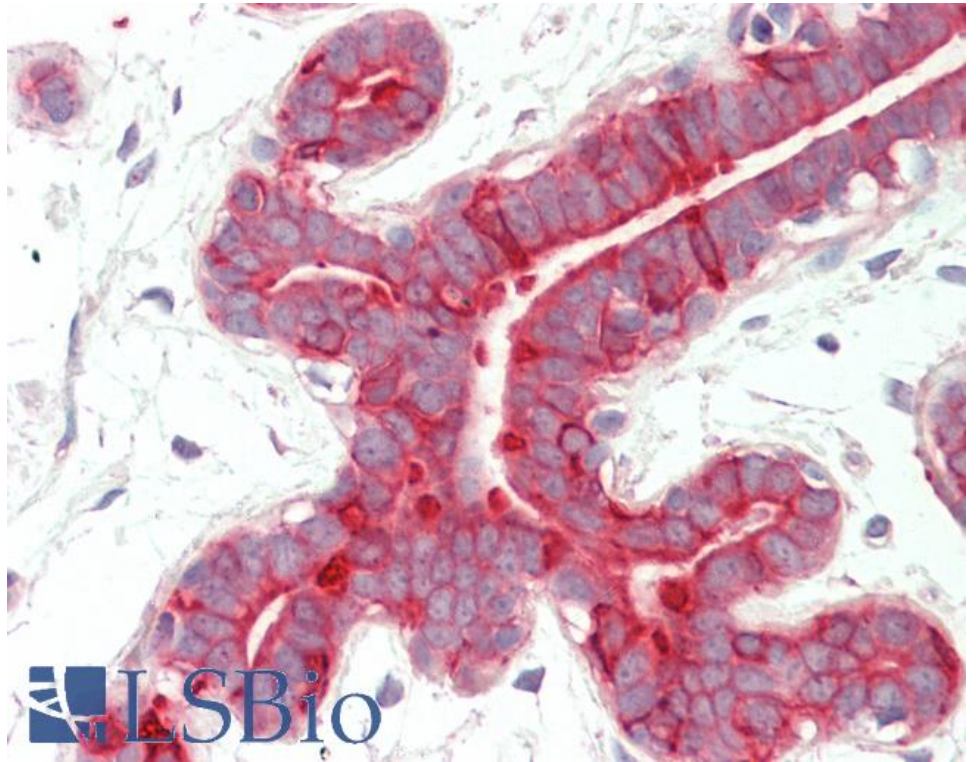
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



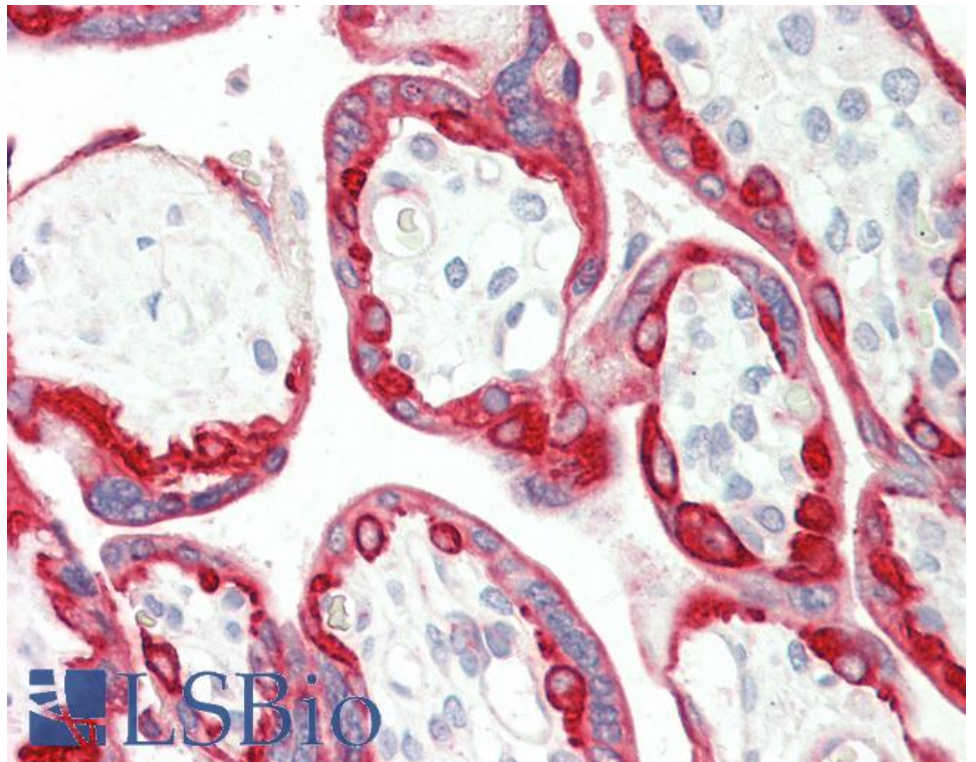
EB12358 (0.1µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.



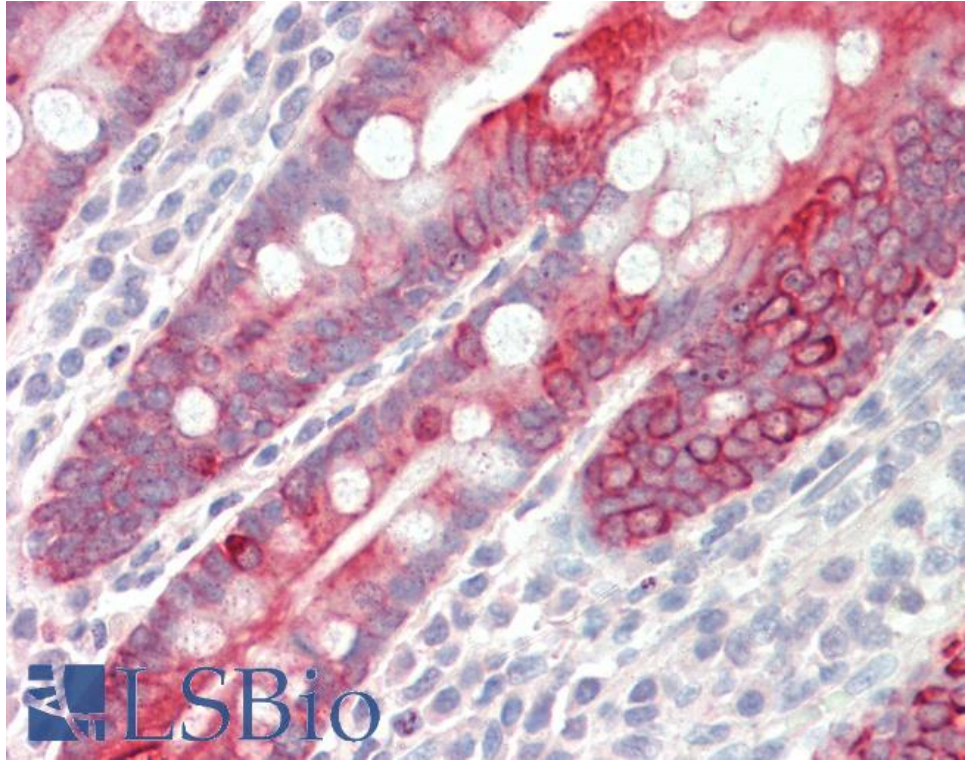
EB12358 (0.1µg/ml) staining of Pig Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence



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



EB12358 (5µg/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.