

## Goat anti-keratin 18 Antibody

<b>Item Number</b>	dAP-3042
<b>Target Molecule</b>	Principle Name: keratin 18; Official Symbol: KRT18; All Names and Symbols: 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; Accession Number (s): NP_000215.1; Human Gene ID(s): 3875; Non-Human GeneID(s): 16668 (mouse) 294853 (rat)
<b>Immunogen</b>	EELDKYWSQQIE, is from internal region Reported variants represent identical protein: NP_000215.1, NP_954657.1.
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Pig
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	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 concentrat
<b>IHC</b>	
<b>Reference</b>	Reference(s): Meng Y, Wu Z, Yin X, Zhao Y, Chen M, Si Y, Yang J, Fu X, Han W. Keratin 18 attenuates estrogen receptor alpha-mediated signaling by sequestering LRP16 in cytoplasm. BMC cell biology 2009 10 : 96..PMID: 20035625->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**