



## Goat anti-KLK5 Antibody

<b>Item Number</b>	dAP-1047
<b>Target Molecule</b>	Principle Name: KLK5; Official Symbol: KLK5; All Names and Symbols: KLK5; kallikrein-related peptidase 5 ; KLK-L2; KLKL2; SCTE ; kallikrein 5; kallikrein-like protein 2; stratum corneum tryptic enzyme; Accession Number (s): NP_036559.1; Human Gene ID(s): 25818; Non-Human GeneID(s):
<b>Immunogen</b>	KAGRDSQGD, is from internal region Reported variants represent identical protein (NP_036559.1; NP_001070959.1; NP_001070960.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse, Rat
<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 1000.
<b>Western Blot</b>	Western Blot: Approx 35kDa band observed in Human Brain (Cerebellum), Mouse Brain and Rat Brain lysates (calculated MW of 32.0kDa according to NP_036559.1). Recommended concentration: 1-3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Michael IP, Pampalakis G, Mikolajczyk SD, Malm J, Sotiropoulou G, Diamandis EP. Human tissue kallikrein 5 is a member of a proteolytic cascade pathway involved in seminal clot liquefaction and potentially in prostate cancer progression. J Biol Chem. 2006 May 5;281(18):12743-50. Epub 2006 Mar 3.

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**