

## Goat anti-TMPRSS3 Antibody

Item Number	dAP-1247
Target Molecule	Principle Name: TMPRSS3; Official Symbol: TMPRSS3; All Names and Symbols: transmembrane protease, serine 3; DFNB10; DFNB8; ECHOS1; TADG12; serine protease TADG12; Accession Number (s): NP_076927.1; NP_115777.1; NP_115780.1; NP_115781.1; Human Gene ID(s): 64699; Non-Human Gene-ID(s): 140765 (mouse)
Immunogen	EKIVYHSKYKPKR, is from internal region This antibody is expected to recognise all four reported isoforms (NP_076927.1; NP_115777.1; NP_115780.1; NP_115781.1)
Applications	Pep ELISA, WB
	Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 48kDa band observed in A431 lysates (calculated MW of 49.4kDa according to NP_076927.1). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Lee YJ, Park D, Kim SY, Park WJ. Pathogenic mutations but not polymorphisms in congenital and childhood onset autosomal recessive deafness disrupt the proteolytic activity of TMPRSS3. J Med Genet. 2003 Aug;40(8):629-31. No abstract available.. PMID: 12920079 ->

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 end users! This product is sold for **Research Use Only**