

Goat anti-TSHR (aa101-115) Antibody

Item Number	dAP-2469
Target Molecule	Principle Name: TSHR (aa101-115); Official Symbol: TSHR; All Names and Symbols: TSHR; thyroid stimulating hormone receptor; CHNG1; LGR3; MGC75129; hTSHR-I; TSH-R; seven transmembrane helix receptor; thyroid-stimulating hormone receptor; thyrotropin receptor; thyrotropin receptor-I, hTSHR-I; Accession Number (s): NP_000360.2; NP_001018046.1; Human Gene ID(s): 7253; Non-Human GeneID(s):
Immunogen	SKVTHIEIRNTRNLT, is from internal region This antibody is expected to recognize reported isoform 1 (NP_000360.2) and isoform 2 (NP_001018046.1). The immunizing peptide sequence corresponds to a part of the extracellular domain.
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 16000.
Western Blot	Western Blot: Approx 28kDa band observed in Human Thyroid Gland lysates (calculated MW of 28.4kDa according to NP_001018046.1). Recommended concentration: 0.5-2µg/ml.
IHC	
Reference	Reference(s): Nishihara E, Chen CR, Higashiyama T, Mizutori-Sasai Y, Ito M, Kubota S, Amino N, Miyachi A, Rapoport B. Subclinical nonautoimmune hyperthyroidism in a family segregates with a thyrotropin receptor mutation with weakly increased

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**