

## Goat anti-GLUT5 / SLC2A5 Antibody

<b>Item Number</b>	dAP-1875
<b>Target Molecule</b>	Principle Name: GLUT5 / SLC2A5; Official Symbol: SLC2A5; All Names and Symbols: SLC2A5; solute carrier family 2 (facilitated glucose/fructose transporter), member 5; GLUT5; OTTHUMP0000001704; glucose transporter-like protein 5; solute carrier family 2 (facilitated glucose transporter), member 5; Accession Number (s): NP_003030.1; Human Gene ID(s): 6518; Non-Human GeneID(s):
<b>Immunogen</b>	SEVYPEKEELKE, is from C Terminus
<b>Applications</b>	Pep ELISA, IHC Species Tested: Human
<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 8000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 38kDa band in Human Duodenum, Kidney and Skeletal Muscle lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Small Intestine. Recommended concentration: 2.5µg/ml.
<b>Reference</b>	Reference(s): Stuart CA, Howell ME, Yin D, Overexpression of GLUT5 in diabetic muscle is reversed by pioglitazone. Diabetes care 2007 Apr 30 (4): 925-31..PMID: 17251278->

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**