

## Goat anti-ABCB5 Antibody

Item Number	dAP-1297
Target Molecule	Principle Name: ABCB5; Official Symbol: ABCB5; All Names and Symbols: ATP-binding cassette, sub-family B (MDR/TAP), member 5 ; ABCB5alpha; ABCB5beta; EST422562; ATP-binding cassette, sub-family B, member 5N: P-glycoprotein ABCB5; Accession Number (s): NP_848654.3; NP_001157413.1; Human Gene ID(s): 340273; Non-Human GenelD(s):
Immunogen	QTQHRNTSKKAQ , is from internal region This antibody is expected to recognise both reported isoforms (NP_848654.3; NP_001157413.1)
Applications	Pep ELISA, WB, FC 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 80kDa band observed in lysates of cell line A431(calculated MW of 89.8kDa according to NP_848654.3). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Frank NY, Margaryan A, Huang Y, Schatton T, Waaga-Gasser AM, Gasser M, Sayegh MH, Sadee W, Frank MH. ABCB5-mediated doxorubicin transport and chemoresistance in human malignant melanoma. <i>Cancer Res.</i> 2005 May 15;65(10):4320-33..PMID: 15899824 ->

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**