

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LRP-1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 545503
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human LRP-1 Gln4449-ala4544 Accession # Q07954
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

LRP-1 (low-density lipoprotein receptor-related protein 1) is a large type I transmembrane protein belonging to the LDL receptor superfamily. The extracellular domain of LRP-1 is organized in four clusters of ligand-binding repeats that recognizes at least 30 different ligands. The amino acid sequence of human and mouse LRP-1 cluster II share 100% identity. LRP-1 is an endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. It plays a crucial role in early embryonic development.

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