Datasheet for ABIN7601377

anti-RS1 antibody (AA 34-224)

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Overview

Quantity:	100 µg
Target:	RS1
Binding Specificity:	AA 34-224
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RS1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-RS1 Antibody Picoband®
Immunogen:	E.coli-derived human RS1 recombinant protein (Position: Y34-A224). Human RS1 shares 96.9% amino acid (aa) sequence identity with mouse RS1.
Characteristics:	Anti-RS1 Antibody Picoband® (ABIN7601377). Tested in WB, ELISA applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	RS1
Alternative Name:	RS1 (RS1 Products)
Background:	Retinoschisin also known as X-linked juvenile retinoschisis protein is a lectin that in humans is encoded by the RS1 gene. This gene encodes an extracellular protein that plays a crucial role in the cellular organization of the retina. The encoded protein is assembled and secreted from photoreceptors and bipolar cells as a homo-oligomeric protein complex. Mutations in this gene are responsible for X-linked retinoschisis, a common, early-onset macular degeneration in males that results in a splitting of the inner layers of the retina and severe loss in vision.
Molecular Weight:	25 kDa
Gene ID:	6247
UniProt:	O15537

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Byrne, J., Warburton, D. Male excess among anatomically normal fetuses in spontaneous abortions. Am. J. Med. Genet. 26: 605-611, 1987. 2. Eriksson, A. W., Vainio-Mattila, B., Krause, U., Fellman, J., Forsius, H. Secondary sex ratio in families with X-chromosomal disorders. Hereditas 57: 373-381, 1967. 3. Gehrig, A., Weber, B. H. F., Lorenz, B., Andrassi, M. First molecular evidence for a de novo mutation in RS1 (XLRS1) associated with X-linked juvenile retinoschisis. J. Med. Genet. 36: 932-934, 1999.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and

thawing.