

Datasheet for ABIN7601197
anti-STARD3 antibody (AA 3-429)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	STARD3
Binding Specificity:	AA 3-429
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STARD3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-MLN64/STARD3 Antibody Picoband®
Immunogen:	E.coli-derived human MLN64/STARD3 recombinant protein (Position: K3-E429).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	<p>Anti-MLN64/STARD3 Antibody Picoband® (ABIN7601197). Tested in ELISA, WB applications.</p> <p>This antibody reacts with Human, Mouse, Rat. 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.</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	STARD3
Alternative Name:	STARD3 (STARD3 Products)
Background:	<p>Synonyms: Cytoskeleton-associated protein 5, Colonic and hepatic tumor overexpressed gene protein, Ch-TOG, CKAP5, KIAA0097</p> <p>Tissue Specificity: Expressed in fetal brain. Highly expressed in brain and placenta. Lower levels in heart, liver, thymus, kidney and lung. Located to endothelial cells and neuronal cells of the suprachiasmatic nucleus (SCN). Also detected in endothelial cells of the heart, lung and kidney. In the brain, specifically expressed in the thalamus, hippocampus and amygdala.</p> <p>Background: StAR related lipid transfer domain containing 3 (STARD3) is a protein that in humans is encoded by the STARD3 gene. This gene encodes a member of a subfamily of lipid trafficking proteins that are characterized by a C-terminal steroidogenic acute regulatory domain and an N-terminal metastatic lymph node 64 domain. The encoded protein localizes to the membranes of late endosomes and may be involved in exporting cholesterol. Alternative splicing results in multiple transcript variants.</p>
Molecular Weight:	51 kDa
Gene ID:	10948
UniProt:	Q14849
Pathways:	C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Akiyama, N., Sasaki, H., Ishizuka, T., Kishi, T., Sakamoto, H., Onda, M., Hirai, H., Yazaki, Y., Sugimura, T., Terada, M. Isolation of a candidate gene, CAB1, for cholesterol transport to mitochondria from the c-ERBB-2 amplicon by a modified cDNA selection method. Cancer Res. 57: 3548-3553, 1997. 2. Alpy, F., Boulay, A., Moog-Lutz, C., Andarawewa, K. L., Degot, S., Stoll, I., Rio, M.-C., Tomasetto, C. Metastatic lymph node 64 (MLN64), a gene overexpressed in breast cancers, is regulated by Sp/KLF transcription factors. Oncogene 22: 3770-3780, 2003. 3. Alpy, F., Stoeckel, M.-E., Dierich, A., Escola, J.-M., Wendling, C., Chenard, M.-P., Vanier, M. T., Gruenberg, J., Tomasetto, C., Rio, M.-C. The steroidogenic acute regulatory protein homolog MLN64, a late endosomal cholesterol-binding protein. J. Biol. Chem. 276: 4261-4269, 2001.</p>
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 Na ₂ HPO ₄ .
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.