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StAR Antibody

Rabbit mAb
Catalog # AP91511

Product Information

Application	WB, IHC
Primary Accession	P49675
Reactivity	Human
Clonality	Monoclonal
Other Names	StAR; StARD1; START domain containing 1; Steroid acute regulatory protein;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	31914

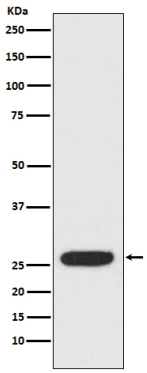
Additional Information

Dilution	WB 1:1000~1:5000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human StAR
Description	Steroidogenic acute regulatory protein (StAR) plays a significant role in cholesterol transport from the cytoplasmic outer membrane to the inner mitochondrial membrane.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	STAR (HGNC:11359)
Synonyms	STARD1
Function	Plays a key role in steroid hormone synthesis by enhancing the metabolism of cholesterol into pregnenolone. Mediates the transfer of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane where it is cleaved to pregnenolone.
Cellular Location	Mitochondrion outer membrane. Mitochondrion matrix. Note=Works only on the mitochondrion outer membrane, rather than in the matrix to which it is targeted
Tissue Location	Expressed in gonads, adrenal cortex and kidney.

Images



Western blot analysis of StAR expression in SK-BR-3 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.