

Datasheet for ABIN5690019

anti-IQSEC2 antibody (AA 1380-1430)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IQSEC2
Binding Specificity:	AA 1380-1430
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IQSEC2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	IQSEC2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human IQSEC2. The immunogen is located within amino acids 1380 - 1430 of IQSEC2.
Isotype:	IgG
Specificity:	IQSEC2 antibody is human, mouse and rat reactive. At least two isoforms of IQSEC2 are known to exist, this antibody will only detect the larger isoform. IQSEC2 antibody is predicted to not cross-react with IQSEC1.
Purification:	IQSEC2 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IQSEC2
Alternative Name:	IQSEC2 (IQSEC2 Products)
Background:	ADP ribosylation factors (Arfs) are small GTP-binding proteins known for their role in vesicular transport, where they nucleate the assembly of coat protein complexes at sites of carrier vesicle formation. Similar to the related protein IQSEC1, IQSEC2 is a guanine nucleotide exchange protein for ARF1 and ARF6 that belongs to the BRAG family and contains one IQ domain, one PH domain and one SEC7 domain (1,2). IQSEC2 is a major component of the postsynaptic density (PSD) and colocalizes with PSD-95. It has been suggested to modulate the functions of the ARF proteins (1). Mutations in this gene have been implicated in nonsyndromic X-linked mental retardation (3).
Molecular Weight:	Predicted: 104, 133, 141, 164 kDa Observed: 140 kDa
Gene ID:	23096
NCBI Accession:	NP_001104595
UniProt:	Q5JU85

Application Details

Application Notes:	IQSEC2 antibody can be used for detection of IQSEC2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	IQSEC2 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment: IQSEC2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.