

bs-20333R**[Primary Antibody]****BioSS**
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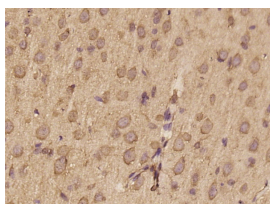
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IQSEC3 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 440073	SWISS: Q9UPP2	
Target: IQSEC3		Reactivity: Rat (predicted: Human, Mouse)
Immunogen: KLH conjugated synthetic peptide derived from human IQSEC3: 651-750/1185.		
Purification: affinity purified by Protein A		Predicted MW.: 127 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm
Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: IQSEC3 (IQ motif and SEC7 domain-containing protein 3), also known as KIAA1110, is a 1,182 amino acid protein that belongs to the BRAG family. Localizing to the cytoplasm, IQSEC3 is expressed predominantly in adult brain, where it is observed predominantly in the cerebral cortex and olfactory bulb, with no expression found in the fetal brain. IQSEC3 contains an IQ domain, a PH domain and a SEC7 domain, and interacts with SAP 97 and PSD-95. Acting as a guanine nucleotide exchange factor (GEF) for ARF1, IQSEC3 is encoded by a gene that maps to human chromosome 12p13.33 and mouse chromosome 6 F1. Mutations to the gene encoding IQSEC2 have been linked to non-syndromic X-linked intellectual disability, while both IQSEC1 and IQSEC3 may be candidates for autosomal ID screening. IQSEC3 exists as two alternatively spliced isoforms.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IQSEC3) Polyclonal Antibody, Unconjugated (bs-20333R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.