



ERC2 rabbit pAb

Catalog No	YP-Ab-08131
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	ERC2 KIAA0378
Immunogen	Synthesized peptide derived from human ERC2 AA range: 368-418
Specificity	This antibody detects endogenous levels of ERC2 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.246% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIAA0378;ERC protein 2;ERC2;ERC2 KIAA0378
Observed Band	105kD
Calculated Molecular Weight	105kD
Cell Pathway	Cytoplasm . Cell junction, synapse . Cell junction, synapse, presynaptic active zone . Cytoplasm, cytoskeleton . In neurons, localized to synapses, and colocalizes with PCLO. Localized to the active zone of presynaptic density (By similarity). .
Tissue Specificity	Brain,Epithelium,PNS,
Function	function:Thought to be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. Seems to act together with BSN. May recruit liprin-alpha proteins to the CAZ.,sequence caution:Contaminating sequence. Sequence of unknown origin in the N-terminal part.,subcellular location:In neurons, localized to synapses, and colocalizes with PCLO. Localized to the active zone of presynaptic density.,subunit:Interacts with BSN, ERC1, PPFIA1, PPFIA2, PPFIA3 and PPFIA4. Interacts through its C-terminus with the PDZ domain of RIMS1. Part of a complex consisting of ERC2, RIMS1 and UNC13A.,



Background

This gene encodes a protein that belongs to the Rab3-interacting molecule (RIM)-binding protein family. Members of this protein family form part of the cytomatrix at the active zone (CAZ) complex and function as regulators of neurotransmitter release. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015],

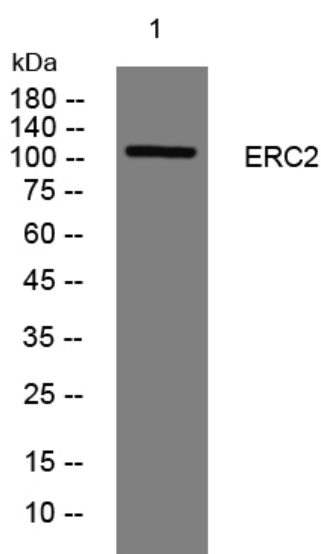
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night