



# ERC2 rabbit pAb

<b>Catalog No</b>	YP-Ab-08131
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ERC2 KIAA0378
<b>Protein Name</b>	ERC2
<b>Immunogen</b>	Synthesized peptide derived from human ERC2 AA range: 368-418
<b>Specificity</b>	This antibody detects endogenous levels of ERC2 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.246% sodium azide.
<b>Source</b>	Polyclonal, Rabbit, IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ERC protein 2
<b>Observed Band</b>	105kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	Brain, Epithelium, PNS,
<b>Function</b>	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.,
<b>Background</b>	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],

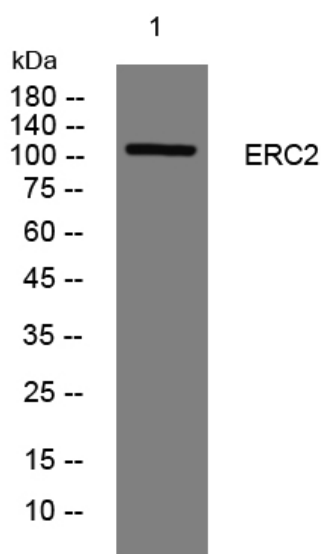
**matters needing attention**

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