

## ERC1 Monoclonal antibody, PBS Only

Catalog Number: 66681-1-PBS

## Basic Information

## Catalog Number:

66681-1-PBS

## Size:

1 mg/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG17665

## GenBank Accession Number:

BC132782

## GeneID (NCBI):

23085

## UNIPROT ID:

Q8IUD2

## Full Name:

ELKS/RAB6-interacting/CAST family member 1

## Calculated MW:

1116 aa, 128 kDa

## Observed MW:

135 kDa

## Purification Method:

Protein G purification

## CloneNo.:

2A5B9

## Applications

## Tested Applications:

WB, Indirect ELISA

## Species Specificity:

Human, Mouse, Rat

## Background Information

ERC is an acronym based on previous separate namings of members of this protein family, ELKS, Rab6IP2 and CAST (PMID: 12391317). They are known to bind RIMs, the active zone proteins that regulate neurotransmitter release. ERC1 (ELKS) is an essential regulatory subunit of the IKK complex and likely functions by recruiting I $\kappa$ B $\alpha$  to the complex (PMID: 15218148). Multiple isoforms of ERC1 mRNA are generated by alternative splicing (PMID: 12203787). There are two known splice variants of ERC1 protein that differ at their C termini, ERC1a and ERC1b. ERC1a is ubiquitously expressed, whereas ERC1b is brain-specific (PMID: 12391317; 12923177).

## Storage

## Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

## Storage Buffer:

PBS Only

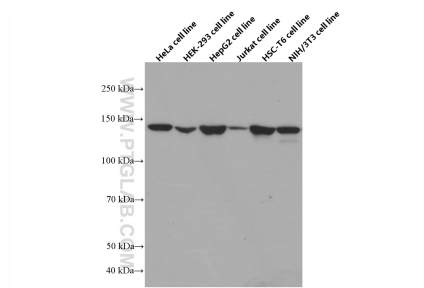
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66681-1-Ig (ERC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66681-1-PBS in a different storage buffer formulation.