

**ERI2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16538c****Specification**

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**ERI2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [A8K979](#)**ERI2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 112479**Other Names**

ERI1 exoribonuclease 2, 31--, Exonuclease domain-containing protein 1, ERI2, EXOD1, KIAA1504

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ERI2 Antibody (Center) Blocking Peptide - Protein Information****Name** ERI2**Synonyms** EXOD1, KIAA1504**ERI2 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ERI2 Antibody (Center) Blocking Peptide - Images****ERI2 Antibody (Center) Blocking Peptide - Background**

EXOD1 (Exonuclease domain-containing protein 1), also known as ERI2 (ERI1 exoribonuclease 2), is a 691 amino acid protein that contains one exonuclease domain, which catalyzes the hydrolysis of unpaired or mismatched nucleotides. EXOD1 activity is dependent on the binding of two magnesium ions per subunit. There are four isoforms of EXOD1 that are produced as a result of alternative splicing events. The gene encoding EXOD1 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located

on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

#### **ERI2 Antibody (Center) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Kupsco, J.M., et al. RNA 12(12):2103-2117(2006)