

DRG2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP19144c**Specification**

DRG2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P55039](#)**DRG2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1819**Other Names**

Developmentally-regulated GTP-binding protein 2, DRG-2, DRG2

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.

DRG2 Antibody (Center) Blocking Peptide - Protein Information**Name** DRG2 {ECO:0000303|PubMed:29915238, ECO:0000312|HGNC:HGNC:3030}**Function**

Catalyzes the conversion of GTP to GDP through hydrolysis of the gamma-phosphate bond in GTP. When hydroxylated at C-3 of 'Lys-21' by JMJD7, may bind to RNA and play a role in translation.

Cellular Location

Nucleus. Cytoplasm

Tissue Location

Highest levels in skeletal muscle, heart and kidney. Low levels in colon, thymus, spleen, small intestine, lung and Leukocytes

DRG2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DRG2 Antibody (Center) Blocking Peptide - Images

DRG2 Antibody (Center) Blocking Peptide - Background

The DRG2 gene encodes the developmentally regulated GTP-binding protein 2, a name derived from the fact that it shares significant similarity to known GTP-binding proteins. DRG2 was identified because it is expressed in normal fibroblasts but not in SV40-transformed fibroblasts. Read-through transcripts containing this gene and a downstream gene have been identified, but they are not thought to encode a fusion protein. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq].

DRG2 Antibody (Center) Blocking Peptide - References

Song, H., et al. J. Biochem. 135(3):331-335(2004) Bi, W., et al. Genome Res. 12(5):713-728(2002) Li, B., et al. Biochim. Biophys. Acta 1491 (1-3), 196-204 (2000) :Vlangos, C.N., et al. Cytogenet. Cell Genet. 88 (3-4), 283-285 (2000) :Liang, Y., et al. Genomics 61(3):243-258(1999)