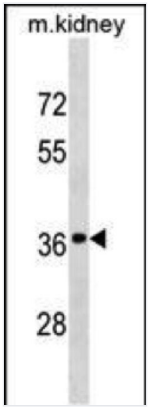
DRG2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DRG2, Polyclonal Antibody
Full Product Name	DRG2, ID (DRG2, Developmentally-regulated GTP-binding protein 2) (MaxLight 490)
Product Gene Name	anti-DRG2 antibody
Product Synonym Names	DRG2; Developmentally-regulated GTP-binding protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes mouse DRG2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40,746 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (17991283..18011292). Location: 17p11.2
OMIM	602986
3D Structure	ModBase 3D Structure for P55039
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 154-180 in the central region of human DRG2, UniProt Accession #P55039. Species sequence homology: bovine
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-DRG2 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-DRG2 antibody	Western Blot (WB), FLISA
Application Notes for anti-DRG2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-DRG2 antibody	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].
Product References and Citations for anti-DRG2 antibody	1. Song, H., et al. J. Biochem. 135(3):331-335(2004). 2. Bi, W., et al. Genome Res. 12(5):713-728(2002). 3. Li, B., et al. Biochim. Biophys. Acta 1491 (1-3), 196-204 (2000). 4. Vlangos, C.N., et al. Cytogenet. Cell Genet. 88 (3-4), 283-285 (2000). 5. Liang, Y., et al. Genomics 61(3):243-258(1999).

Other Notes	Small volumes of anti-DRG2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DRG2 purchase	MBS6293527 is an antibody targeting DRG2. Also known as DRG2, ID (DRG2, Developmentally-regulated GTP-binding protein 2) (MaxLight 490). Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-DRG2 antibody
Western Blot analysis in mouse kidney tissue lysates (35ug/lane) usingMBS6001900. This demonstrates that MBS6001900 detected the DRG2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DRG2. It may not necessarily be applicable to this product.

NCBI GI #	4557537
NCBI GeneID	1819
NCBI Accession #	NP_001379.1
UniProt Primary Accession #	P55039
UniProt Secondary Accession #	Q9BWB2; B2R8G5
UniProt Related Accession #	P55039; Q53Y50; Q59FW9
GenBank Nucleotide #	NM_001388.3
NCBI Official Full Name	developmentally-regulated GTP-binding protein 2
NCBI Official Synonym Full Names	developmentally regulated GTP binding protein 2
NCBI Official Symbol	DRG2
NCBI Official Synonym Symbols	DRG2
UniProt Protein Name	Developmentally-regulated GTP-binding protein 2
Protein Family	Dermaseptin
UniProt Gene Name	DRG2
UniProt Synonym Gene Names	DRG-2
UniProt Entry Name	DRG2_HUMAN
NCBI Protein Information	developmentally-regulated GTP-binding protein 2; DRG-2; OTTHUMP00000065704; OTTHUMP00000065705; developmentally regulated GTP-binding protein 2

NCBI Summary for DRG2	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]
Research Articles on DRG2	**1.** Basal expression level of DRG2 is regulated by the Sp1 transcription factor.
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