D4S234E Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	D4S234E, Polyclonal Antibody
Full Product Name	D4S234E, NT (NSG1, D4S234, Neuron-specific protein family member 1, Brain neuron cytoplasmic protein 1) (MaxLight 650)
Product Gene Name	anti-D4S234E antibody
Product Synonym Gene Name	NSG1
Product Synonym Names	NSG1; D4S234; Neuron-specific protein family member 1; Brain neuron cytoplasmic protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	16,467 Da
OMIM	607645
3D Structure	ModBase 3D Structure for P42857
Immunogen	D4S234E antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-60 amino acids from the N-terminal region of human D4S234E.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-D4S234E antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-D4S234E antibody	Western Blot (WB), FLISA
Application Notes for anti-D4S234E antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-D4S234E antibody	MBS6290658 is an antibody targeting D4S234E. Also known as D4S234E, NT (NSG1, D4S234, Neuron-specific protein family member 1, Brain neuron cytoplasmic protein 1) (MaxLight 650). Reactive in Human. Host: Rabbit. The specific function of the protein remains unknown.
Product References and Citations for anti-D4S234E antibody	Kudoh, T., et al. Exp. Cell Res. 316(17):2849-2858(2010). Steiner, P., et al. J. Cell Biol. 157(7):1197-1209(2002). Carlock, L., et al. Brain Res. Mol. Brain Res. 42(2):202-212(1996).

Other Notes	Small volumes of anti-D4S234E 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for D4S234E. It may not necessarily be applicable to this product.

NCBI GI #	7657003
NCBI GeneID	27065
NCBI Accession #	NP_055207.1
NCBI Related Accession #	NP_001035190.1
UniProt Primary Accession #	P42857
UniProt Secondary Accession #	Q49AQ1; B4DXC5
UniProt Related Accession #	P42857
GenBank Nucleotide #	NM_014392.4
NCBI Official Full Name	neuron-specific protein family member 1 isoform a
NCBI Official Symbol	NSG1
NCBI Official Synonym Symbols	P21; D4S234; NEEP21; D4S234E
UniProt Protein Name	Neuron-specific protein family member 1
UniProt Synonym Protein Names	Brain neuron cytoplasmic protein 1
UniProt Gene Name	NSG1
UniProt Synonym Gene Names	D4S234
UniProt Entry Name	NSG1_HUMAN
NCBI Protein Information	neuron-specific protein family member 1; brain neuron cytoplasmic protein 1; carboxyterminally EE-tagged neuron-enriched endosomal 21 kDa protein
UniProt Comments for D4S234E	D4S234E: Belongs to the NSG family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 4p16.3 Cellular Component: Golgi membrane; postsynaptic membrane; cytoplasm; integral to membrane; nucleus; lateral plasma membrane; endosome Molecular Function: clathrin light chain binding Biological Process: clathrin cage assembly; dopamine receptor signaling pathway
Research Articles on D4S234E	**1.** These results suggest that NEEP21 may play a critical role in apoptosis as a mediator of p53.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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