WFKN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WFKN1, Polyclonal Antibody
Full Product Name	WFKN1 Rabbit Polyclonal Antibody
Product Gene Name	anti-WFKN1 antibody
Product Synonym Gene Name	WFIKKN1, C16orf12, GASP2, WFIKKN, PSEC0040
Product Synonym Names	BH6842; WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 1 (Growth and differentiation factor-associated serum protein 2)(GASP-2)(hGASP-2)(WAP, follistatin, immunoglobulin, kunitz and NTR domain-containing protein)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of human WFKN1
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	58,798 Da
OMIM	608021
3D Structure	ModBase 3D Structure for Q96NZ8
Immunogen	Synthesized peptide derived from human WFKN1
Modification	Unmodified/Total
Applications Tested/Suitable for anti-WFKN1 antibody	Western Blot (WB)
Application Notes for anti-WFKN1 antibody	WB: 1:1000-2000
Related Product Information for anti-WFKN1 antibody	MBS9517832 is an antibody targeting WFKN1. Also known as WFKN1 Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-WFKN1 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 WFKN1. It may not necessarily be applicable to this product.

NCBI GI #	16751923
NCBI GeneID	117166
NCBI Accession #	NP_444514.1

UniProt Primary Accession #	Q96NZ8
UniProt Secondary Accession #	Q7LDW0; Q8NBQ1; Q96S20
UniProt Related Accession #	Q96NZ8
GenBank Nucleotide #	NM_053284.2
NCBI Official Full Name	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 1
NCBI Official Synonym Full Names	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 1
NCBI Official Symbol	WFIKKN1
NCBI Official Synonym Symbols	RJD2; WFIKKN; WFDC20A; C16orf12
UniProt Protein Name	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 1
UniProt Synonym Protein Names	Growth and differentiation factor-associated serum protein 2; GASP-2; hGASP-2; WAP, follistatin, immunoglobulin, Kunitz and NTR domain-containing protein
UniProt Gene Name	WFIKKN1
UniProt Synonym Gene Names	C16orf12; GASP2; WFIKKN; PSEC0040; GASP-2; hGASP-2
UniProt Entry Name	WFKN1_HUMAN
NCBI Protein Information	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 1; GASP-2; hGASP-2; WAP four-disulfide core domain 20A; WAP, FS, Ig, KU, and NTR-containing protein; growth and differentiation factor-associated serum protein 2; WAP, follistatin, immun
NCBI Summary for WFKN1	This gene encodes a secreted multidomain protein consisting of a signal peptide, a WAP domain, a follistatin domain, an immunoglobulin domain, two tandem Kunitz domains, and an NTR domain. These domains have been implicated frequently in inhibition of various types of proteases, suggesting that the encoded protein may be a multivalent protease inhibitor and may control the action of multiple types of serine proteases as well as metalloproteinases. [provided by RefSeq, Jul 2008]
UniProt Comments for WFKN1	WFIKKN1: Protease-inhibitor that contains multiple distinct protease inhibitor domains. Probably has serine protease- and metalloprotease-inhibitor activity. Belongs to the WFIKKN family. Protein type: Inhibitor; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: extracellular region Molecular Function: metalloendopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity; protein binding Biological Process: palate development; negative regulation of protein binding; muscle fiber development; skeletal development; negative regulation of DNA binding
Research Articles on WFKN1	**1.** Data suggest that myostatin binding to its receptor (activin receptors type II) can be blocked by WFIKKN1 but not WFIKKN2; various forms of myostatin (promyostatin, myostatin pro-domain, and latent/processed myostatin) bind WFIKKN1 but not WFIKKN2.
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