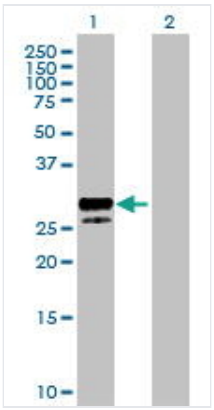
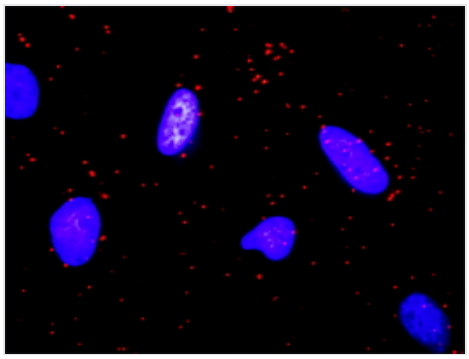
SCF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SCF, Polyclonal Antibody
Full Product Name	SCF (Kit Ligand, C-kit Ligand, Stem Cell Factor, Mast Cell Growth Factor, MGF, KITLG) (Biotin)
Product Gene Name	anti-SCF antibody
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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KITLG.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	26,667 Da
Immunogen	Full length human KITLG, aa1-245 (NP_003985.2).
Immunogen Sequence	MKKTQTWILTCIYLQLLLFNPLVKTEGICRNRVTNNVKDVTKLVANLPKDYMITLKYVPGMDVLPSHCWISEMVVQLSDSLTDLLDKFSNISEGLSNYSIIDKL
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-SCF antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-SCF antibody	Western Blot (WB)
Application Notes for anti-SCF antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SCF antibody	KITLG is the ligand of the tyrosine-kinase receptor. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and he
Other Notes	Small volumes of anti-SCF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar
Searchable Terms for SCF purchase	MBS6393312 is an antibody targeting SCF. Also known as SCF (Kit Ligand, C-kit Ligand, Stem Cell Factor, Mast Cell Growth Factor, MGF, KITLG) (Bi



Western Blot (WB) of anti-SCF antibody
Western Blot analysis of KITLG expression in transfected 293T cell line by KITLG polyclonal antibody. Lane 1: KITLG transfected lysate (27.9kD). Lane 2: Non-transfected lysate.



Testing Data of anti-SCF antibody
Proximity Ligation Analysis of protein-protein interactions between KITLG and FLT3LG. HeLa cells were stained with anti-KITLG rabbit purified polyclonal 1:1200 and anti-FLT3LG mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

ADDITIONAL DETAILS

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

NCBI GI #	4580420
NCBI GeneID	4254
NCBI Accession #	NP_003985.2
UniProt Secondary Accession #	Q16487; Q68DZ2; Q7M4N8; Q9UQK7; A0AV09; A8K2Q4; B7ZLM4
UniProt Related Accession #	P21583
GenBank Nucleotide #	NM_003994
NCBI Official Full Name	kit ligand isoform a
NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	SF; MGF; SCF; FPH2; KL-1; Kitl; SHEP7
Protein Family	SCF-associated factor
NCBI Protein Information	kit ligand; c-Kit ligand; familial progressive hyperpigmentation 2; mast cell growth factor; steel factor; stem cell factor
NCBI Summary for SCF	This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Research Articles on SCF	**1.** study reports a modulatory role for antimullerian hormone as an ovarian/follicular autocrine/paracrine factor controlling SCF expression via the cAMP/PKA pathway in granulosa cells
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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