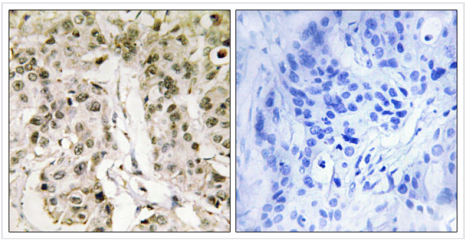
HCFC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HCFC1, Polyclonal Antibody
Full Product Name	HCFC1 Antibody
Product Gene Name	anti-HCFC1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	HCFC1 Antibody detects endogenous levels of total HCFC1 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	208 kDa
OMIM	L20010 mRNA
3D Structure	ModBase 3D Structure for P51610
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human HCFC1.
Immunogen Range	131-180
Applications Tested/Suitable for anti-HCFC1 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-HCFC1 antibody	IHC: 1:50~1:100 ELISA: 1:20000
Related Product Information for anti-HCFC1 antibody	MBS9505095 is an antibody targeting HCFC1. Also known as HCFC1 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-HCFC1 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.



Immunohistochemistry (IHC) of anti-HCFC1 antibody
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using HCFC1 Antibody. The picture on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HCFC1. It may not necessarily be applicable to this product.

NCBI GI #	98986457
NCBI GeneID	3054
NCBI Accession #	NP_005325.2
UniProt Primary Accession #	P51610
UniProt Secondary Accession #	Q6P4G5
UniProt Related Accession #	P51610
GenBank Nucleotide #	NM_005334.2
NCBI Official Full Name	host cell factor 1
NCBI Official Synonym Full Names	host cell factor C1
NCBI Official Symbol	HCFC1
NCBI Official Synonym Symbols	CFF; HCF; HCF1; HFC1; MRX3; VCAF; HCF-1; PPP1R89
UniProt Protein Name	Host cell factor 1
UniProt Synonym Protein Names	C1 factor; CFF; VCAF; VP16 accessory protein
Protein Family	Host cell factor
UniProt Gene Name	HCFC1
UniProt Synonym Gene Names	HCF1; HFC1; HCF; HCF-1
NCBI Protein Information	host cell factor 1
NCBI Summary for HCFC1	This gene is a member of the host cell factor family and encodes a protein with five Kelch repeats, a fibronectin-like motif, and six HCF repeats, each of which contains a highly specific cleavage signal. This nuclear coactivator is proteolytically cleaved at one of the six possible sites, resulting in the creation of an N-terminal chain and the corresponding C-terminal chain. The final form of this protein consists of noncovalently bound N- and C-terminal chains. The protein is involved in control of the cell cycle and transcriptional regulation during herpes simplex virus infection. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]
UniProt Comments for HCFC1	Involved in control of the cell cycle. Also antagonizes transactivation by ZBTB17 and GABP2; represses ZBTB17 activation of the p15(INK4b) promoter and inhibits its ability to recruit p300. Coactivator for EGR2 and GABP2. Tethers the chromatin modifying Set1/Ash2 histone H3 'Lys-4' methyltransferase (H3K4me) and Sin3 histone deacetylase (HDAC) complexes (involved in the activation and repression of transcription, respectively) together. Component of a THAP1/THAP3-HCFC1-OGT complex that is required for the regulation of the transcriptional activity of RRM1. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. In case of human herpes simplex virus (HSV) infection, HCFC1 forms a multiprotein-DNA complex with the viral transactivator protein VP16 and POU2F1 thereby enabling the transcription of the viral immediate early genes.
Research Articles on HCFC1	**1.** Data show that Myc boxes (MbIV) is required for the association of MYC with the abundant transcriptional coregulator host cell factor-1 (HCF-1).
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