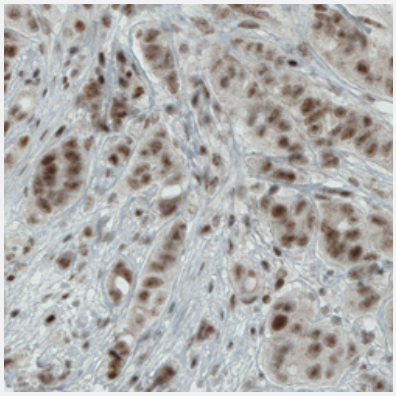
WHSC1 monoclonal antibody, clone CL1057

Catalog # MAB15662 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with WHSC1 monoclonal antibody, clone CL1057 (Cat # MAB15662) shows moderate nuclear immunoreactivity in tumor cells.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human WHSC1.
Immunogen	Recombinant protein corresponding to human WHSC1.
Epitope	This antibody binds to an epitope located within the peptide sequence RVFNGEPGAHDAKLR as determined by overlapping synthetic peptides.
Sequence	SANGKTPSCEVNRECSVFLSKAQLSSSLQEGVMQKFNGHDALPFIPADKLKDLTSRVFNGEPGAHDAKLRFESQEMKGIGTPPNTTPIKNGSPEIKLKITKTYMNGKPLFESSICGD
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — WHSC1

Entrez GeneID	7468
Protein Accession#	O96028
Gene Name	WHSC1
Gene Alias	FLJ23286, KIAA1090, MGC176638, MMSET, NSD2, REIIBP, TRX5, WHS
Gene Description	Wolf-Hirschhorn syndrome candidate 1
Omim ID	602952
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that contains four domains present in other developmental proteins: a PWWP domain, an HMG box, a SET domain, and a PHD-type zinc finger. It is expressed ubiqui tously in early development. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome assoc iated with a hemizygous deletion of the distal short arm of chromosome 4. This gene maps to the 165 kb WHS critical region and has also been involved in the chromosomal translocation t(4;14)(p16.3;q32.3) in multiple myelomas. Alternative splicing of this gene results in multiple transcript va riants encoding different isoforms. Some transcript variants are nonsense-mediated mRNA (NMD) decay candidates, hence not represented as reference sequences. [provided by RefSeq
Other Designations	IL5 promoter REII region-binding protein|OTTHUMP00000149955|OTTHUMP00000159146|Wolf -Hirschhorn syndrome candidate 1 protein|multiple myeloma SET domain containing protein type I II|trithorax/ash1-related protein 5

Pathway

- Lysine degradation

Disease

- Cleft Lip
- Cleft Palate
- Kidney Failure