

Mouse anti-Human BRCA1 Monoclonal Antibody | anti-BRCA1 antibody

Mouse anti BRCA1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71341	Mouse	Human	Immunohistochemistry, Immunoprecipitation, ELISA, Western Blot

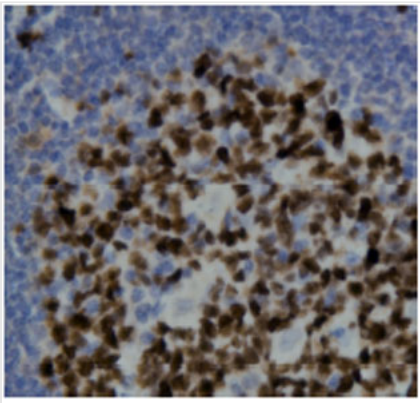
PRODUCT SYNONYMS

BRCA1; Monoclonal Antibody; Mouse anti BRCA1 Monoclonal Antibody; anti-BRCA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1?
Clone Number	MS110
Specificity	Recognizes ~220 kDa of human BRCA1 protein. The other species are not tested.
Purity/Purification	Affinity Purification according to the isotyping
Form/Format	Supplied in sterile Phosphate-buffered saline (pH 7.2) containing antibody stabilizer
Applicable Applications for anti-BRCA1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Positive Control	MCF-7
Cellular Location	Nuclear/Cytoplasmic
Antigen Preparation	A recombinant protein from 341-748aa of human BRCA1.
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)
IHC: The Tonsil tissue was stained with mouse anti BRCA1 antibody (Cat# AAA71341) at 1:200. (Note: formalin-fixed, paraffinembedded sections need 15 minutes heat-induced epitope retrieval in 10 mM citrate buffer, pH 6.0, and 30 minutes incubation at room temperature with the primary antibody)

ADDITIONAL INFORMATION

Related Product Information for anti-BRCA1 antibody	BRCA1 is a nuclear phosphoprotein that plays a role in maintaining genomic stability and it also acts as a tumor suppressor. The protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as the BRCA1-associated genome surveillance complex (BASC). It plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inherited breast cancers and more than 80% of inherited breast and ovarian cancers. BRCA1 is widely expressed in lymph nodes, testis, colon and other tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1698399
NCBI GeneID	672
Molecular Weight	~220kDa
NCBI Official Full Name	BRCA1
NCBI Official Synonym Full Names	BRCA1, DNA repair associated
NCBI Official Symbol	BRCA1
NCBI Official Synonym Symbols	IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53
NCBI Protein Information	breast cancer type 1 susceptibility protein
UniProt Protein Name	Breast cancer type 1 susceptibility protein
UniProt Gene Name	BRCA1
UniProt Synonym Gene Names	RNF53

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.