



Anti-Ras (mutation G13D) Monoclonal Antibody, clone XH109 (DMAB-DCC101)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Anti-Ras (G13D) Mouse Monoclonal Antibody. The antibody (Cat # DMAB-DCC101) is suitable for ELISA, WB, IHC, IF.
Antigen Description	Ras (G13D) is one type of Ras missense mutations at the codon 13. Ras protein is a membrane-associated GTPase that regulates cell proliferation, differentiation, and survival. Ras G13D mutation results in decreased GTPase activity and constitutive signaling. This mutation is found in many types of human cancers.
Specificity	Recognizes Ras (G13D) proteins of vertebrates.
Immunogen	Recombinant full length protein of K-Ras (G13D).
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	XH109
Purification	Purified from ascites
Conjugate	Unconjugated
Applications	ELISA, WB, IHC, IP
Format	Liquid
Concentration	1 mg/ml
Size	100 µl

Buffer	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 50% glycerol
Preservative	None
Storage	Store at -20°C. Avoid freeze / thaw cycles

GENE INFORMATION

Gene Name	KRAS Kirsten rat sarcoma viral oncogene homolog [Homo sapiens (human)]
Official Symbol	KRAS
Synonyms	KRAS; Kirsten rat sarcoma viral oncogene homolog; NS; NS3; CFC2; KRAS1; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B
Entrez Gene ID	3845
Protein Refseq	NP_004976.2
Pathway	ARMS-mediated activation; Activation of RAS in B cells; Acute myeloid leukemia;
Function	GDP binding; GMP binding; GTP binding; LRR domain binding