

Rabbit anti-Human, mouse ANKRD32 Polyclonal Antibody | anti-ANKRD32 antibody

ANKRD32 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289651	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

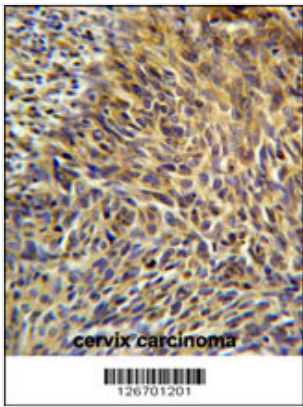
PRODUCT SYNONYMS

ANKRD32; Polyclonal Antibody; ANKRD32 Antibody (N-term); Ankyrin repeat domain-containing protein 32; BRCT domain-containing protein 1; BRCTD1; anti-ANKRD32 antibody

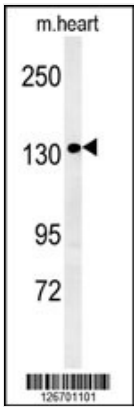
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ANKRD32 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-188 amino acids from the N-terminal region of human ANKRD32.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	159-188
Sequence Length	179
Applicable Applications for anti-ANKRD32 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions (PubMed:25931565).
Cellular Location	Nucleus. Cytoplasm {ECO:0000250 UniProtKB:Q8R3P9}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250 UniProtKB:Q8R3P9} Note=Relocalizes with RAD18 to nuclear foci in response to DNA damage Colocalizes with RAD18 in the nucleus and to centrosomes (By similarity). Associates with chromatin (PubMed:25931565). Accumulates with RAD18 and the SMC5-SMC6 complex at replication-coupled DNA interstrand repair and DNA double-strand breaks (DSBs) sites on chromatin in a ubiquitin-dependent manner (PubMed:25931565) {ECO:0000250 UniProtKB:Q8R3P9, ECO:0000269 PubMed:25931565}
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
ANKRD32 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ANKRD32 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ANKRD32 Antibody (N-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the ANKRD32 antibody detected ANKRD32 protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-ANKRD32 antibody	Cell Biology
References	Adams, D.J., et al. Mol. Cell. Biol. 25(2):779-788(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	188219549
NCBI GeneID	84250
NCBI Accession #	NP_115666.2
NCBI GenBank Nucleotide #	NM_032290.3
UniProt Accession #	Q9BQI6; Q3B7K4; Q6NSA5; Q6PHW9; Q9Y402; B4DMG4
Molecular Weight	121050
NCBI Official Full Name	ankyrin repeat domain-containing protein 32
NCBI Official Synonym Full Names	ankyrin repeat domain 32
NCBI Official Symbol	ANKRD32
NCBI Official Synonym Symbols	BRCTX; BRCTD1
NCBI Protein Information	ankyrin repeat domain-containing protein 32
UniProt Protein Name	Ankyrin repeat domain-containing protein 32
UniProt Gene Name	ANKRD32
UniProt Synonym Gene Names	BRCTD1
UniProt Entry Name	ANR32_HUMAN

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.