



APLF (phospho Ser116) Polyclonal Antibody

Catalog No	BYab-01414
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	APLF
Protein Name	Aprataxin and PNK-like factor
Immunogen	The antiserum was produced against synthesized peptide derived from human APLF around the phosphorylation site of Ser116. AA range:82-131
Specificity	Phospho-APLF (S116) Polyclonal Antibody detects endogenous levels of APLF protein only when phosphorylated at S116.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	APLF; C2orf13; PALF; XIP1; Aprataxin and PNK-like factor; Apurinic-aprimidinic endonuclease APLF; PNK and APTX-like FHA domain-containing protein; XRCC1-interacting protein 1
Observed Band	
Cell Pathway	Nucleus . Chromosome . Cytoplasm, cytosol . Localizes to DNA damage sites (PubMed:18474613, PubMed:18172500, PubMed:21211721, PubMed:23689425). Accumulates at single-strand breaks and double-strand breaks via the PBZ-type zinc fingers (PubMed:18172500). .
Tissue Specificity	Testis,
Function	domain:The FHA-like domain mediates interaction with XRCC1 and XRCC4.,function:Involved in single-strand and double-strand DNA break repair.,PTM:Phosphorylated in an ATM-dependent manner upon double-strand DNA break.,similarity:Contains 1 FHA-like domain.,similarity:Contains 2 C2H2-type zinc fingers.,subcellular location:Colocalizes with XRCC1 at sites of DNA damage.,subunit:Interacts with XRCC1. May also interact with XRCC4 and

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XRCC5.,

Background

C2ORF13 is a component of the cellular response to chromosomal DNA single- and double-strand breaks (Iles et al., 2007 [PubMed 17353262]).[supplied by OMIM, Mar 2008],

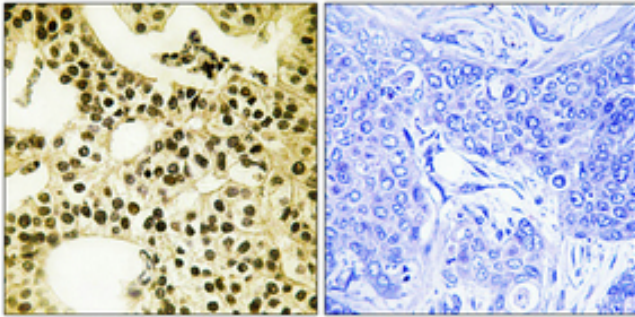
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.