



# PREP-2 Polyclonal Antibody

<b>Catalog No</b>	BYab-15799
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	PKNOX2
<b>Protein Name</b>	Homeobox protein PKNOX2
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PKNOX2. AA range:341-390
<b>Specificity</b>	PREP-2 Polyclonal Antibody detects endogenous levels of PREP-2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PKNOX2; PREP2; Homeobox protein PKNOX2; Homeobox protein PREP-2; PBX/knotted homeobox 2
<b>Observed Band</b>	55kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Brain,Small intestine,
<b>Function</b>	similarity:Belongs to the TALE/MEIS homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,
<b>Background</b>	Homeodomain proteins are sequence-specific transcription factors that share a highly conserved DNA-binding domain and play fundamental roles in cell proliferation, differentiation, and death. PKNOX2 belongs to the TALE (3-amino acid loop extension) class of homeodomain proteins characterized by a 3-amino acid extension between alpha helices 1 and 2 within the homeodomain (Imoto et al., 2001 [PubMed 11549286]).[supplied by OMIM, Oct 2009],

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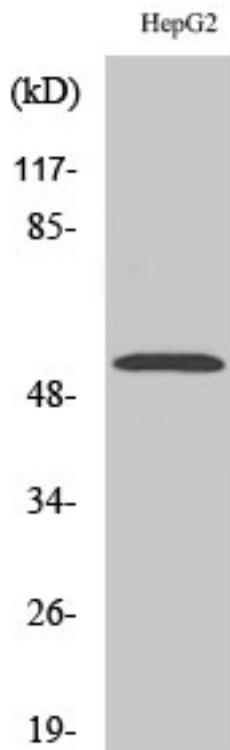
**matters needing attention**

Avoid repeated freezing and thawing!

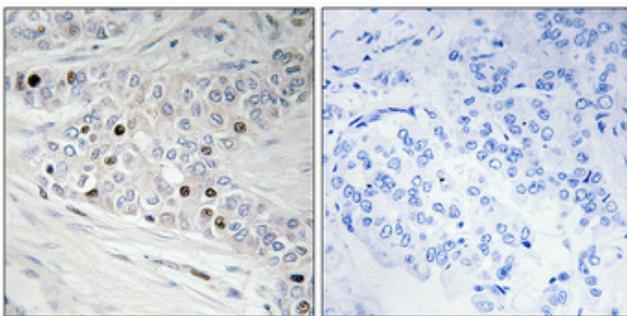
**Usage suggestions**

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

## Products Images

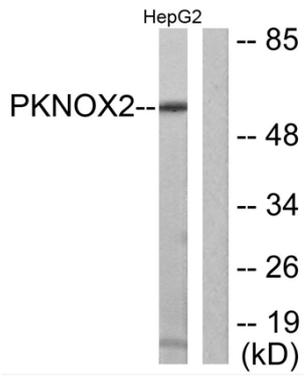


Western Blot analysis of various cells using PREP-2 Polyclonal Antibody



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) obtained from antibody was pre-absorbed by immunogen peptide.

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Western blot analysis of lysates from HepG2 cells, using PKNOX2 Antibody. The lane on the right is blocked with the synthesized peptide.