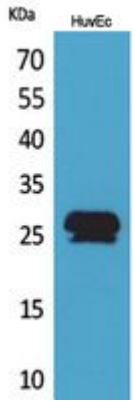
CacyBP Polyclonal Antibody

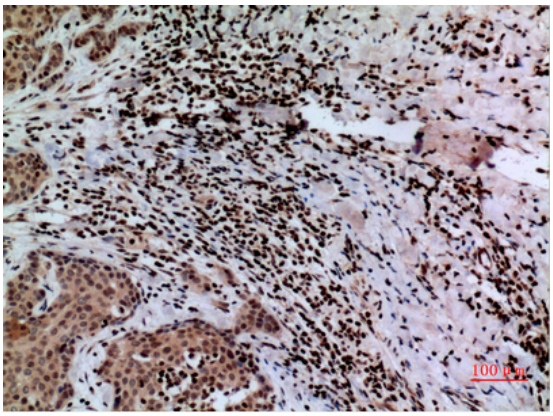
Catalog No	BYab-29001
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CACYBP
Protein Name	Calcyclin-binding protein
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human CACYBP. AA range:171-220
Specificity	CacyBP Polyclonal Antibody detects endogenous levels of CacyBP protein.
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	WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CACYBP; S100A6BP; SIP; PNAS-107; Calcyclin-binding protein; CacyBP; hCacyBP; S100A6-binding protein; Siah-interacting protein
Observed Band	25kD
Cell Pathway	Nucleus . Cytoplasm . Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated.
Tissue Specificity	Brain,Colon carcinoma,Hepatoma,Liver,Promyelocytic leukemia,Skeletal muscle
Function	function:May be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. Probably serves as a molecular bridge in ubiquitin E3 complexes. Participates in the ubiquitin-mediated degradation of beta-catenin (CTNNB1).,PTM:Phosphorylated on serine residues. Phosphorylated upon induction by RA or at high calcium concentrations.,similarity:Contains 1 CS domain.,similarity:Contains 1 SGS domain.,subcellular location:Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it

	localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated.,subunit:Interacts with protein of the S100 family S100A1, S100A6, S100B, S100P and S100A12 at physiological calcium concentrations (By similarity). Component of some large E3 complex at least composed of UBE2D1, SIAH1, CAC
Background	The protein encoded by this gene is a calcyclin binding protein. It may be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It probably serves as a molecular bridge in ubiquitin E3 complexes and participates in the ubiquitin-mediated degradation of beta-catenin. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 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.

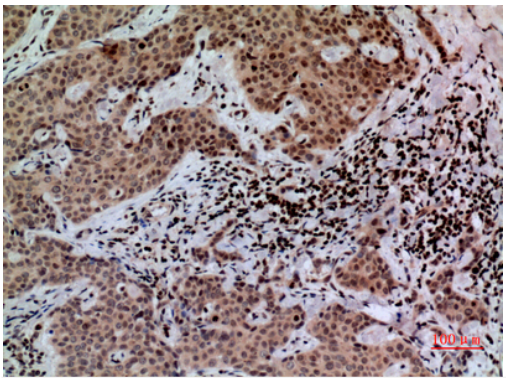
Products Images



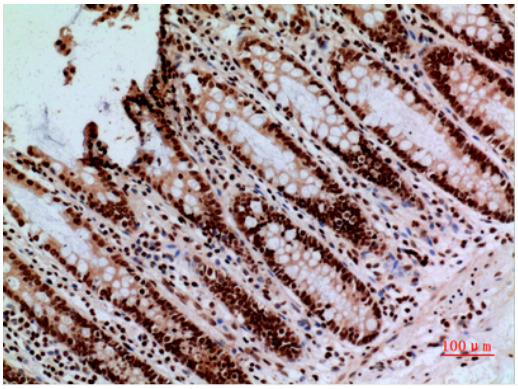
Western Blot analysis of HuvEc cells using CacyBP Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



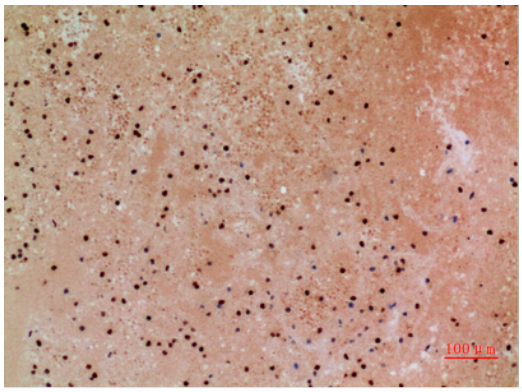
Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100