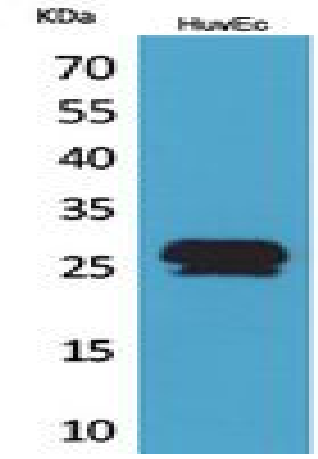
Best Tools for immunology Research

CacyBP Polyclonal Antibody

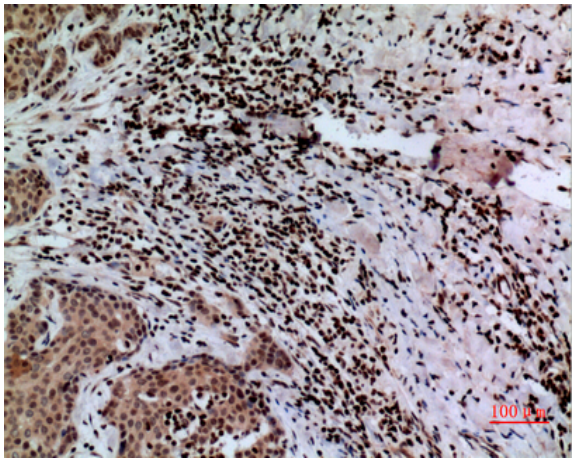
Catalog No :	YT5389
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	CacyBP
Fields :	>>Wnt signaling pathway
Gene Name :	CACYBP
Protein Name :	Calcyclin-binding protein
Human Gene Id :	27101
Human Swiss Prot No :	Q9HB71
Mouse Gene Id :	12301
Mouse Swiss Prot No :	Q9CXW3
Rat Gene Id :	289144
Rat Swiss Prot No :	Q6AYK6
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
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	25kD
Cell Pathway :	WNT;WNT-T CELL
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],
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
Subcellular Location :	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.
Expression :	Brain,Colon carcinoma,Hepatoma,Liver,Promyelocytic leukemia,Skeletal muscle
Sort :	3021
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

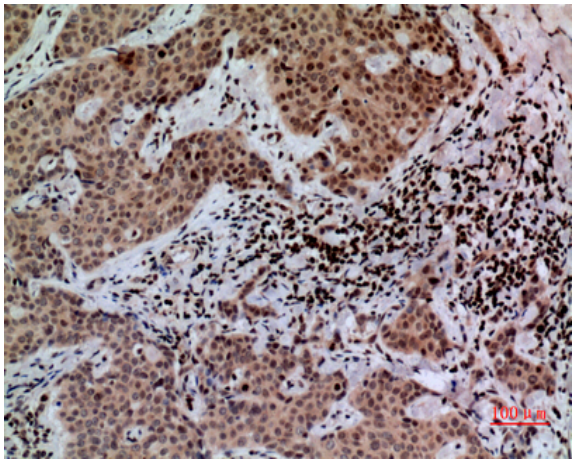
Products Images



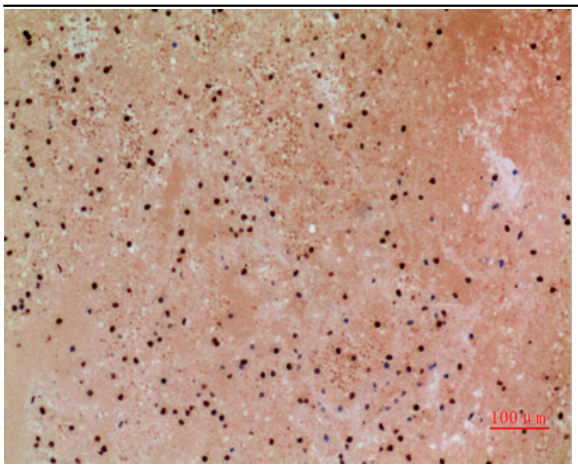
Western Blot analysis of HuvEc cells using CacyBP Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



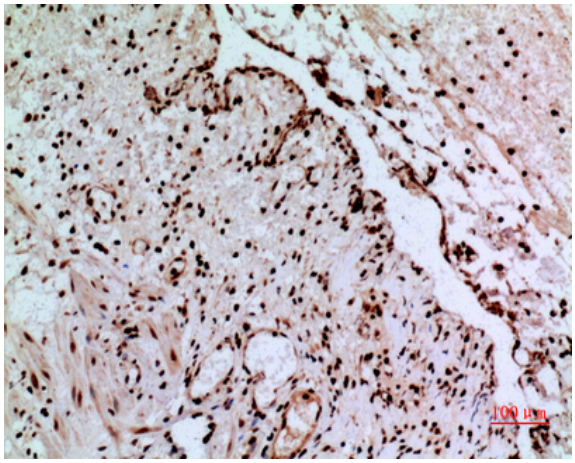
Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



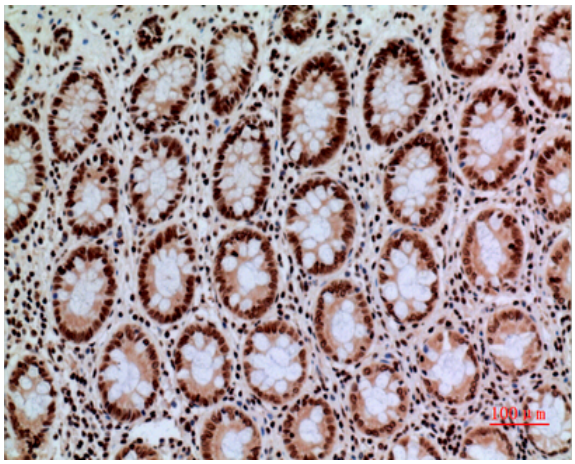
Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



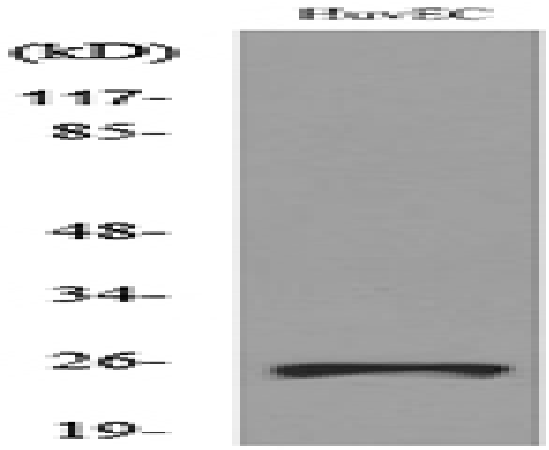
Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



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



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



Western blot analysis of lysate from HUVEC cells, using CACYBP Antibody.