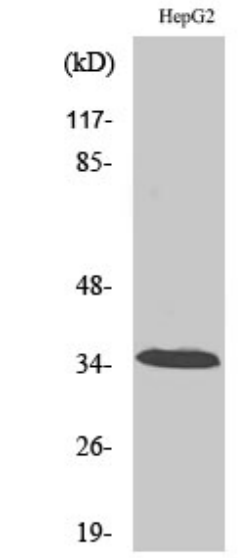
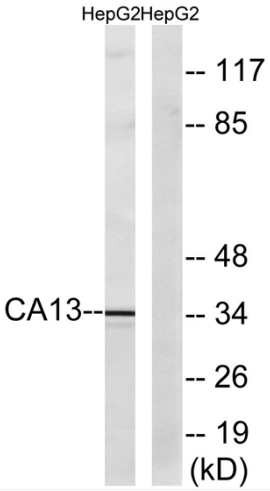
CA XIII Polyclonal Antibody

Catalog No	YP-Ab-02518
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CA13
Protein Name	Carbonic anhydrase 13
Immunogen	The antiserum was produced against synthesized peptide derived from human CA13. AA range:141-190
Specificity	CA XIII Polyclonal Antibody detects endogenous levels of CA XIII 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	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CA13; Carbonic anhydrase 13; Carbonate dehydratase XIII; Carbonic anhydrase XIII; CA-XIII
Observed Band	35kD
Cell Pathway	cytosol,myelin sheath,intracellular membrane-bounded organelle,
Tissue Specificity	Expressed in thymus, small intestine, spleen, prostate, ovary, colon and testis.
Function	catalytic activity:H(2)CO(3) = CO(2) + H(2)O.,cofactor:Zinc.,function:Reversible hydration of carbon dioxide.,similarity:Belongs to the alpha-carbonic anhydrase family.,tissue specificity:Expressed in thymus, small intestine, spleen, prostate, ovary, colon and testis.,
Background	Carbonic anhydrases (CAs) are a family of zinc metalloenzymes. For background information on the CA family, see MIM 114800.[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.

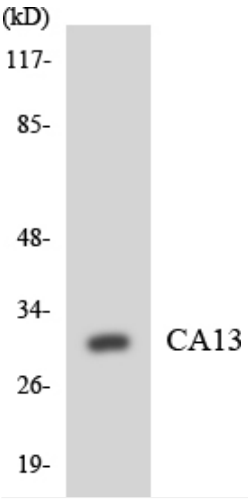
Products Images



Western Blot analysis of various cells using CA XIII Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, using CA13 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using CA13 antibody.