ELK Biotechnology

1C04 rabbit pAb

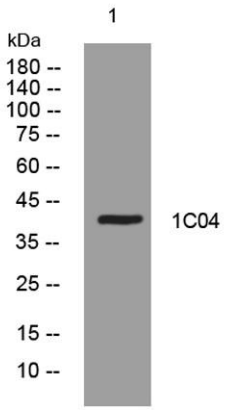
Cat No.:ES18543

For research use only

Overview

Product Name	1C04 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1：500-2000
Immunogen	Synthesized peptide derived from human 1C04 AA range: 110-160
Specificity	This antibody detects endogenous levels of 1C04 at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	1C04
Gene Name	HLA-C HLAC
Cellular localization	ane,extracellular region,endoplasmic reticulum,atus,plasma membrane,integral component of plasma membrane,cell surface,ER to port vesicle membrane,membrane,integral component of membrane,phaicle membrane,early endosome membrane,MHC class I protein complex
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	
Human Swiss-Prot Number	P30504
Alternative Names	
Background	HLA-C belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the

membrane. Class I molecules play a central role in the immune system by presenting peptides derived from endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domain, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Over one hundred HLA-C alleles have been described [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from AD293 cells, primary antibody was diluted at 1:1000, 4°over night