

Catalog # AP93467

1C04 Rabbit Polyclonal Antibody 1C04 Rabbit Polyclonal Antibody

Specification

1C04 Rabbit Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB <u>P30504</u> Rat, Human Polyclonal, Rabbit,IgG Polyclonal

1C04 Rabbit Polyclonal Antibody - Additional Information

Storage Conditions -20°C

1C04 Rabbit Polyclonal Antibody - Protein Information

1C04 Rabbit Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

1C04 Rabbit Polyclonal Antibody - Images





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

1C04 Rabbit Polyclonal Antibody - 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],