

## Product overview

product name	1A68 rabbit Polyclonal Antibody
catalog No.	ATA24027
Category	Primary antibodies
Host	Rabbit
Species specificity	Human
Tested applications	WB
Clonality	Polyclonal
Conjugation	Unconjugated
Immunogen	Synthesized peptide derived from human 1A68

## Product performance

Form	Liquid
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Purity	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

## Dilution range

WB 1 : 500-2000

## Product background

major histocompatibility complex, class I, A(HLA-A) Homo sapiens HLA-A 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 the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, 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 trans

