



# Anti-SMDT1 polyclonal antibody (DPABAH-09221)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome, 22 contains a surprising variety of interesting genes. Phelan-McDermid syndrome, Neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein, BCR-Abl, a potent cell proliferation activator found in several types of leukemia. The C22orf32 gene product has been provisionally designated C22orf32 pending further characterization

<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human C22orf32
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat, Dog, Cow, Horse, Sheep
<b>Purification</b>	Affinity purified by Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB: 1:100-500; ELISA: 1:500-1000; IHC-P: 1:100-500; IHC-F: 1:100-500; ICC: 1:100-500; IF: 1:100-500
<b>Molecular Weight</b>	7 kDa
<b>Format</b>	Lyophilized or Liquid
<b>Concentration</b>	1 mg/ml

<b>Size</b>	100 µl, 200 µl
<b>Buffer</b>	0.01M TBS(pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

## BACKGROUND

**Keywords** C22orf32; Chromosome 22 open reading frame 32; CV032\_HUMAN; DDDD; dJ186O1.1; mitochondrial; UPF0466 protein C22orf32; SMDT1