

gp120 Antibody
Catalog # ASC10709**Specification**

gp120 Antibody - Product Information

Application	IF
Primary Accession	Q6BBS3
Other Accession	AAA80623 , 155971
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	Gp120 antibody can be used for detection of gp120 by Western blot at 1 µg/mL.

gp120 Antibody - Additional InformationGene ID **155971****Target/Specificity**

gp120 antibody was raised against 16 amino acid synthetic peptide representing the major HIV-1 consensus sequence near the N-terminal region of V1/V2 loop.

The immunogen is located within amino acids 80 - 130 of gp120.

Reconstitution & Storage

gp120 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

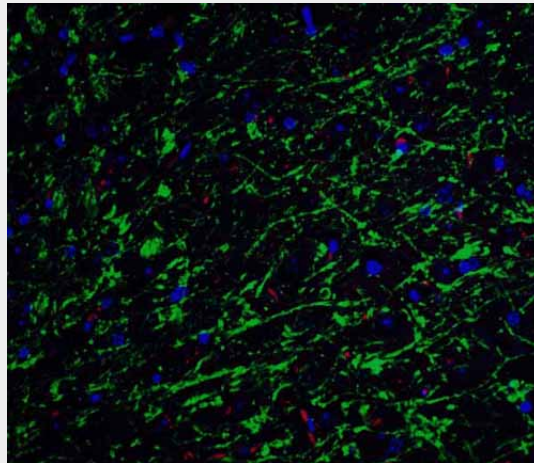
gp120 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

gp120 Antibody - Protein Information**gp120 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

gp120 Antibody - Images



Immunofluorescence of Clusterin in mouse brain tissue with Clusterin Antibody at 20 µg/mL.

gp120 Antibody - Background

gp120 Antibody: Human immunodeficiency virus type 1 (HIV-1) entry into target cells is directed by the envelope (Env) glycoproteins, which are present on the surface of HIV-1 virion or infected cells in the form of trimers consisting of gp120/gp41 complexes. The surface subunit, gp120, initiates the entry process by interacting sequentially with the CD4 receptor and a co-receptor CCR5 or CXCR4, thereby inducing a conformational change that allows the transmembrane (TM) gp41 subunit to mediate fusion between viral and target cell membranes. Cleavage of Env into its gp120 and gp41 components is necessary for activation of its fusogenic activity.

gp120 Antibody - References

Pinter A. Roles of HIV-1 Env variable regions in viral neutralization and vaccine development. Curr. HIV Res. 2007; 5:542-53.
Alkhatib G and Berger EA. HIV coreceptors: from discovery and designation to new paradigms and promise. Eur. J. Med. Res. 2007; 12:375-84.