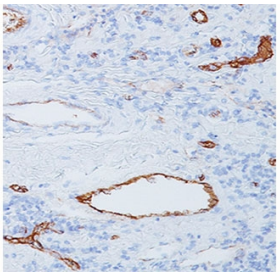
vWF Antibody / von Willebrand Factor [clone 3E2D10] (V2298)

Catalog No.	Formulation	Size
V2298-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2298-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2298SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

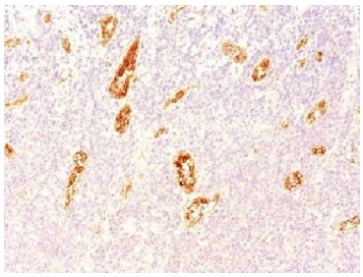
Citations (2)

Bulk quote request

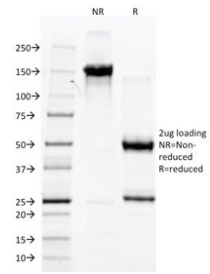
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	3E2D10
Purity	Protein G purified vWF antibody
Gene ID	7450
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunoprecipitation : 1-2ug/500ug protein lysate Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **vWF antibody** is available for research use only.



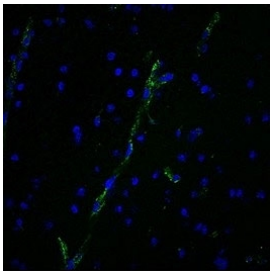
IHC staining of human tonsil with vWF antibody (clone 3E2D10). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



IHC testing of FFPE human pancreas tissue with vWF antibody (clone 3E2D10). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



SDS-PAGE analysis of purified, BSA-free vWF antibody (clone 3E2D10) as confirmation of integrity and purity.



Immunofluorescent staining of human brain tissue with vWF antibody (clone 3E2D10, green) and DAPI nuclear stain (blue).

Description

von Willebrand Factor is a multimeric glycoprotein that is found in endothelial cells, plasma and platelets. It acts as a carrier protein for Factor VIII and promotes platelet adhesion and aggregation. vWF undergoes a variety of posttranslational modifications that influence the affinity and availability for Factor VIII, including cleavage of the propeptide and formation of N-terminal disulfide bonds. This vWF antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposiï¿½s sarcoma and cardiac myxoma. It is widely used for differentiating vascular lesions from those of other tissue differentiation within a panel of other vascular markers although not all tumors of endothelial differentiation contain this antigen.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the vWF antibody to be titered up or down for optimal performance.

Immunogen

Amino acids 845-949 were used as the immunogen for this vWF antibody.

Storage

Store the vWF antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Coagulation FactorVIII, FactorVIII Related Antigen, F8VWF, von Willebrand Antigen 2, von Willebrand Disease (vWD), vWF, von Willebrand Factor antibody

References (2)