

Datasheet for ABIN7126547
anti-APOE antibody (AA 19-119)



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Overview

Quantity:	100 µg
Target:	APOE
Binding Specificity:	AA 19-119
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Human recombinant APOE protein fragment (around aa19-119) (exact sequence is proprietary)
Isotype:	IgG1
Specificity:	In skeletal muscle, AQP4 (aquaporin 4 also known as mercurial insensitive water channel), localizes to the sarcolemma of fast-twitch muscle fibers. Aquaporins (AQPs) are a large family of integral membrane water transport channel proteins that facilitate the transport of water through the cell membrane. This function is conserved in animals, plants and bacteria. Many isoforms of aquaporin have been identified in mammals, designated AQP0 through AQP10. Aquaporins are widely distributed and it is not uncommon for more than one type of AQP to be present in the same cell. Although most aquaporins are only permeable to water, AQP3, AQP7, AQP9 and one of the two AQP10 transcripts are also permeable to urea and glycerol. AQP2 is the only water channel that is activated by vasopressin to enhance water reabsorption in the kidney collecting duct. Aquaporins are involved in renal water absorption, generation of

Product Details

	pulmonary secretions, lacrimation and the secretion and reabsorption of cerebrospinal fluid and aqueous humor.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	APOE
Alternative Name:	APOE (APOE Products)
Background:	AD2, Apo-E, Apolipoprotein E3, Apoprotein, LDLCQ5, LPG,Apolipoprotein E / APOE Cellular localisation: Secreted.
Molecular Weight:	36kDa
Gene ID:	348, 654439
UniProt:	P02649
Pathways:	Regulation of Cell Size , Lipid Metabolism

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Human liver, spleen or kidney tissue.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date: 24 months