

APOE Antibody (16H22L18), ABfinity™ Rabbit Monoclonal



Catalog Number 701241

Product Data Sheet

Details		Species Reactivity	
Size	100 µg	Tested species reactivity	Human, Mouse, Rat
Host / Isotype	Rabbit IgG	Tested Applications	Dilution *
Class	Monoclonal	Immunocytochemistry (ICC)	1-3 µg/ml
Type	Antibody	Immunofluorescence (IF)	1-3 µg/ml
Clone	16H22L18	Western Blot (WB)	2-4 µg/ml
Immunogen	Peptide corresponding to amino acids 240–251 of human ApoE	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5mg/ml		
Purification	Protein A		
Storage Buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C		

Product Specific Information

This antibody is predicted to react with non-human primate and mouse based on sequence homology.

ABfinity™ recombinant antibodies are rabbit monoclonal antibodies, unmatched for producing superior results. ABfinity™ antibodies are developed by immunizing animals, screening for functionality, cloning the immunogen-specific antibody genes into high-level mammalian expression vectors, produced on a large scale, and purified with Protein A.

ABfinity™ monoclonal antibodies resemble rabbit monoclonals isolated from serum or produced by hybridomas, but demonstrate greater specificity and sensitivity. Because ABfinity™ recombinant antibodies are derived from cloned DNA sequences of the heavy and light antibody chains, they are not susceptible to cell-line drift or lot-to-lot variation, thus allowing for peak specificity and performance.

Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Background/Target Information

Apo E (Apolipoprotein E) plays an important role in the metabolism of lipids in the plasma, and is also is a constituent of various plasma lipoprotein-lipid particles. The protein is synthesized in liver, brain, spleen, and the kidney, and concentrations are high in interstitial fluids, where it plays a role in distributing cholesterol from cells where cholesterol is in excess to cells which require cholesterol. Apo E also plays an important role in the formation of very low density lipoprotein and chylomicrons. The Apo E gene is located on chromosome 19 at position 19q13.2.

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