

ME2 Polyclonal Antibody

Catalog Number PA5-38007

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Type	Antibody	Western Blot (WB)	1-2 µg/mL
Immunogen	17 amino acid peptide near the center of human ME2	* 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	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A recommended positive control is human spleen tissue lysate. At least two isoforms of ME2 are known to exist; this antibody will detect both isoforms. ME2 antibody is not expected to cross-react with ME1.

Background/Target Information

ME2 encodes a mitochondrial NAD-dependent malic enzyme, a homotetrameric protein, that catalyzes the oxidative decarboxylation of malate to pyruvate. It had previously been weakly linked to a syndrome known as Friedreich ataxia that has since been shown to be the result of mutation in a completely different gene. Certain single-nucleotide polymorphism haplotypes of this gene have been shown to increase the risk for idiopathic generalized epilepsy. Alternatively spliced transcript variants encoding different isoforms found for this gene.

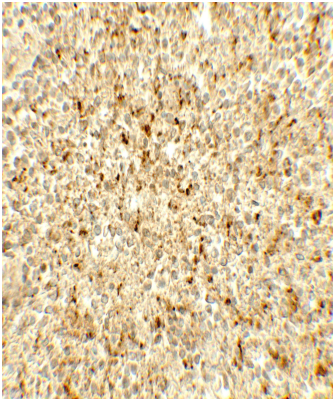
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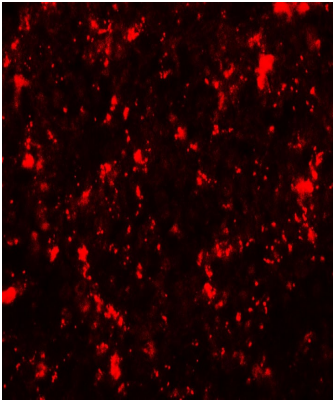
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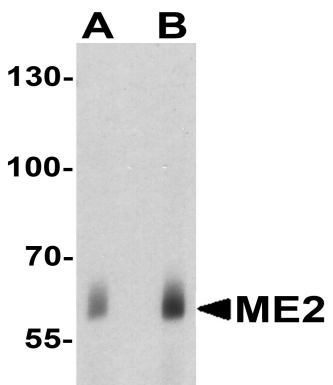
Product Images For ME2 Polyclonal Antibody



ME2 Antibody (PA5-38007) in IHC
Immunohistochemistry of ME2 in human spleen tissue with ME2 Polyclonal Antibody (Product # PA5-38007) at 5 µg /mL.



ME2 Antibody (PA5-38007) in IHC
Immunofluorescence of ME2 in human spleen tissue with ME2 Polyclonal Antibody (Product # PA5-38007) at 20 µg /mL.



ME2 Antibody (PA5-38007) in WB
Western Blot analysis of ME2 in human spleen tissue lysate with ME2 Polyclonal Antibody (Product # PA5-38007) at (A) 1 and (B) 2 µg/mL.

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