

Anti-TTR Polyclonal Antibody

Cat: K108508P

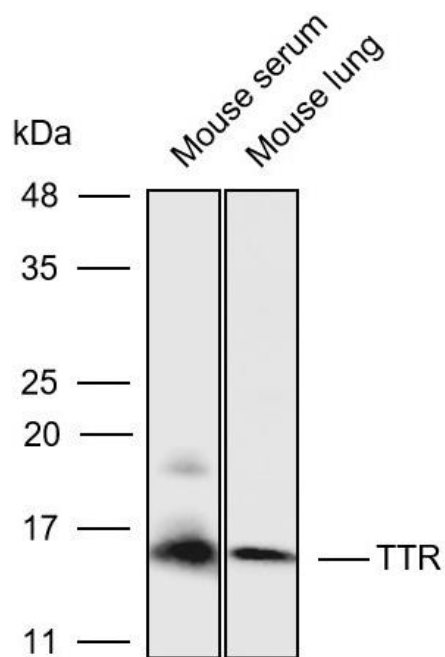
Summary:

【Product name】 : Anti-TTR antibody	【Source】 : Rabbit
【Isotype】 : IgG	【Species reactivity】 : Human Mouse Rat
【Swiss Prot】 : P02766	【Gene ID】 : 7276
【Calculated】 : MW:16kDa	【Observed】 : MW:16kDa
【Purification】 : Affinity purification	
【Tested applications】 : WB IHC	
【Recommended dilution】 : WB 1:1000-3000. IHC 1:50-200.	
【WB Positive sample】 : Mouse serum, Mouse lung	
【IHC Positive sample】 : Human breast cancer	
【Subcellular location】 : Secreted	
【Immunogen】 : Recombinant protein of human TTR	
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

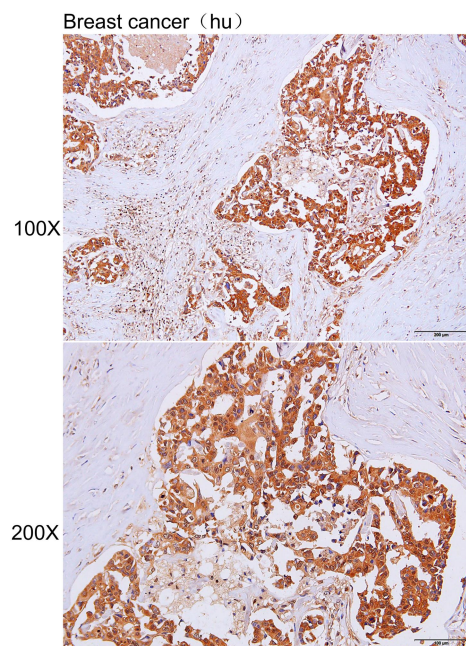
Background:

This gene encodes one of the three prealbumins, which include alpha-1-antitrypsin, transthyretin and orosomucoid. The encoded protein, transthyretin, is a homo-tetrameric carrier protein, which transports thyroid hormones in the plasma and cerebrospinal fluid. It is also involved in the transport of retinol (vitamin A) in the plasma by associating with retinol-binding protein. The protein may also be involved in other intracellular processes including proteolysis, nerve regeneration, autophagy and glucose homeostasis. Mutations in this gene are associated with amyloid deposition, predominantly affecting peripheral nerves or the heart, while a small percentage of the gene mutations are non-amyloidogenic. The mutations are implicated in the etiology of several diseases, including amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis and carpal tunnel syndrome.

Verified picture



Western blot analysis with TTR antibody diluted at 1:2000; Lane: Mouse serum, Mouse lung



Immunohistochemistry of paraffin-embedded Human breast cancer with TTR antibody diluted at 1:100