Product datasheet for TA321923

Mitofusin 1 (MFN1) Rabbit Polyclonal Antibody

Product data:

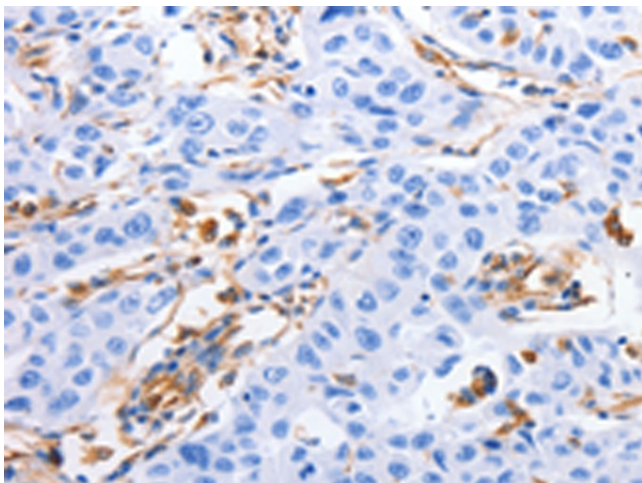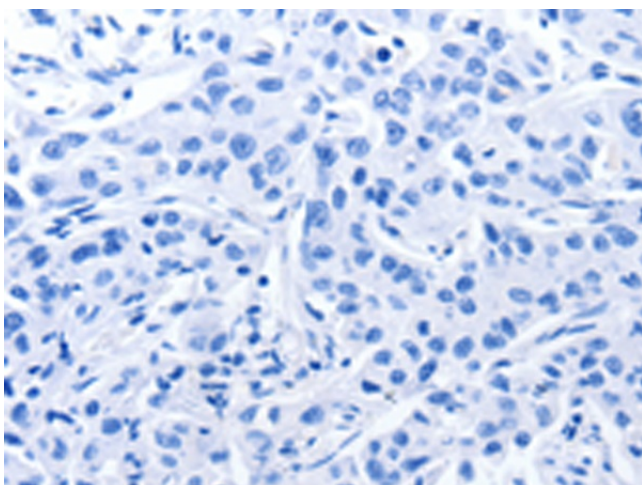|	
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human lung cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 630-741 amino acids of human mitofusin 1
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mitofusin 1
Database Link:	NP_284941 Entrez Gene 67414 MouseEntrez Gene 192647 RatEntrez Gene 55669 Human Q8IWA4
Background:	The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting. Essential transmembrane GTPase; which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology; which is balanced between fusion and fission. MFN1 acts independently of the cytoskeleton. Overexpression induces the formation of mitochondrial networks

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Synonyms: hfzo1; hfzo2

Product images:

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321923 (MFN1 Antibody) at dilution 1/60 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321923 (MFN1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)