

Anti-STUB1 Antibody (3E854)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3E854
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human STUB1 in human skeletal muscle with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human STUB1 in human placenta with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	3. Immunochemical staining of human STUB1 in human pancreas with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human STUB1 protein
Antigen Species:	Human
Synonyms:	STIP1 Homology and U Box-Containing Protein 1;Antigen NY-CO-7;CHIP;Carboxy Terminus of Hsp70-Interacting Protein;E3 Ubiquitin-Protein Ligase CHIP;STUB1;CLL-Associated Antigen KW-8
Biology Area:	Adaptor Proteins

Research Background

CHIP, the protein encoded by STUB1, is a central component of cellular protein homeostasis and interacts with several key proteins involved in the pathogenesis of manifold neurodegenerative diseases. Missense and truncating mutations in STUB1 lead to SCAR16. CHIP/STUB1 ubiquitin ligase is a negative co-chaperone for HSP90/HSC70, and its expression is reduced or lost in several cancers, including breast cancer. Pathogenic variants in STUB1 were initially described in autosomal recessive spinocerebellar ataxia type 16 and dominant cerebellar ataxia with cerebellar cognitive dysfunction (SCA48). Data indicated that STUB1 deficiency leads both to the intracellular accumulation of protein aggregates and to an increase in the secretion of small extracellular vesicles (sEVs), including exosomes. Secreted sEVs are enriched in ubiquitinated and/or undegraded proteins and protein oligomers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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