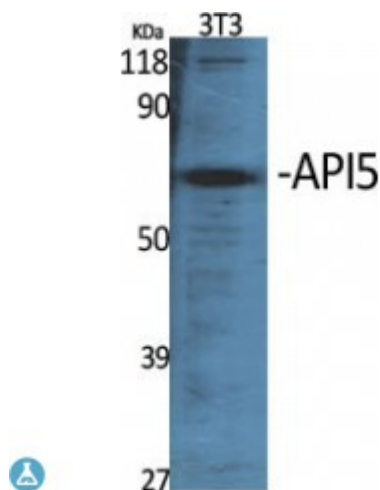


Anti-API5 antibody



Description	Rabbit polyclonal to API5.
Model	STJ91629
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human API5
Immunogen Region	390-470 aa, C-terminal
Gene ID	8539
Gene Symbol	API5
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	API5 Polyclonal Antibody detects endogenous levels of API5 protein.
Tissue Specificity	Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Highest levels in heart, pancreas and placenta. Highly expressed in several cancers. Preferentially expressed in squamous cell carcinoma versus adenocarcinoma in non-small cell lung cancer.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Apoptosis inhibitor 5 API-5 Antiapoptosis clone 11 protein AAC-11 Cell migration-inducing gene 8 protein Fibroblast growth factor 2-interacting

	factor FIF Protein XAGL
Molecular Weight	58 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:594OMIM:609774
Alternative Names	Apoptosis inhibitor 5 API-5 Antiapoptosis clone 11 protein AAC-11 Cell migration-inducing gene 8 protein Fibroblast growth factor 2-interacting factor FIF Protein XAGL
Function	Antiapoptotic factor that may have a role in protein assembly. Negatively regulates ACIN1. By binding to ACIN1, it suppresses ACIN1 cleavage from CASP3 and ACIN1-mediated DNA fragmentation. Also known to efficiently suppress E2F1-induced apoptosis. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs.
Sequence and Domain Family	Two regions, an N-terminal (aa 96-107) and a C-terminal (aa 274-311) are required for binding FGF2.
Cellular Localization	Nucleus Cytoplasm. Mainly nuclear. Can also be cytoplasmic.. Isoform 3: Cytoplasm.
Post-translational Modifications	Acetylation at Lys-251 impairs antiapoptotic function.