

bs-22072R**[Primary Antibody]****API5 Rabbit pAb****Bioss**
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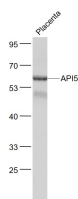
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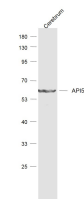
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 8539**SWISS:** Q9BZZ5**Target:** API5**Immunogen:** KLH conjugated synthetic peptide derived from human API5: 281-380/524.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

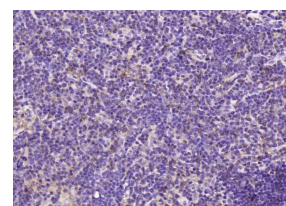
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Apoptosis inhibitor 5 (API5) is an antiapoptotic factor which may have a role in protein assembly. API5 expression is often upregulated in tumor cells, particularly in metastatic cells. It is a critical determinant of E2F1-induced apoptosis, acting downstream of E2F to suppress E2F-dependent apoptosis without generally blocking E2F-dependent transcription. Alternate Names: AAC 11; AAC11; Antiapoptosis clone 11 protein; API 5; API5; API5 like 1; API5L1; Cell migration inducing gene 8 protein; Fibroblast growth factor 2 interacting factor 2; FIF; MIG 8; MIG8; Migration inducing protein MIG8; 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.**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Mouse, Rat
(predicted: Human, Sheep, Dog, Horse)**Predicted MW.:** 57 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: Placenta (Mouse) Lysate at 40 ug
 Primary: Anti-API5 (bs-22072R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 57 kD
 Observed band size: 57 kD



Sample: Cerebrum (Mouse) Lysate at 40 ug
 Primary: Anti-API5 (bs-22072R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 57 kD
 Observed band size: 57 kD



Paraformaldehyde-fixed, paraffin embedded (rat thymus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (API5) Polyclonal Antibody, Unconjugated (bs-22072R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.