

**bs-6794R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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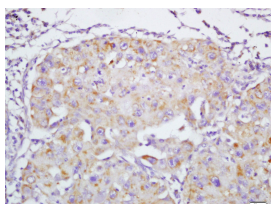
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**ANT-1 Rabbit pAb****DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog)  <b>Predicted MW.:</b> 33 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 291	<b>SWISS:</b> P12235	
<b>Target:</b> ANT-1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ANT-1: 31-130/298.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> Defects in SLC25A4 are a cause of progressive external ophthalmoplegia with mitochondrial DNA deletions autosomal dominant type 2 (PEOA2) [MIM:609283]. Progressive external ophthalmoplegia is characterized by progressive weakness of ocular muscles and levator muscle of the upper eyelid. In a minority of cases, it is associated with skeletal myopathy, which predominantly involves axial or proximal muscles and which causes abnormal fatigability and even permanent muscle weakness. Ragged-red fibers and atrophy are found on muscle biopsy. A large proportion of chronic ophthalmoplegias are associated with other symptoms, leading to a multisystemic pattern of this disease. Additional symptoms are variable, and may include cataracts, hearing loss, sensory axonal neuropathy, ataxia, depression, hypogonadism, and parkinsonism.		

**VALIDATION IMAGES**

Tissue/cell: human lung carcinoma; 4%  
Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-ANT-1 Polyclonal Antibody, Unconjugated(bs-6794R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**SELECTED CITATIONS**

- **[IF=1.7]** Jinhua Wang, et al. Indirubin induces apoptosis in ovarian cancer cells via the mitochondrial pathway. AMERICAN JOURNAL OF TRANSLATIONAL RESEARCH. 2024 Oct 15;16(10):6119-6129. Western blot ;Human. 39544767

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.