

For Research Use Only

ETFA Polyclonal antibody, PBS Only

Catalog Number: 12262-1-PBS



Basic Information

Catalog Number:	12262-1-PBS	GenBank Accession Number:	BC015526	Purification Method:
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	2108	Antigen affinity purification
Source:	Rabbit	UNIPROT ID:	P13804	
Isotype:	IgG	Full Name:	electron-transfer-flavoprotein, alpha polypeptide	
Immunogen Catalog Number:	AG2931	Calculated MW:	30 kDa	
		Observed MW:	30 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Background Information

Electron transfer flavoprotein (ETF) exists in the mitochondrial matrix as a heterodimer of 30 kD alpha subunits (ETFA) and 28 kD beta subunits (ETFB) and contains 1 flavin adenine dinucleotide (FAD) and 1 adenosine 5-prime monophosphate (AMP) per heterodimer. ETFA serves as a specific electron acceptor for several dehydrogenases, including five acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase.

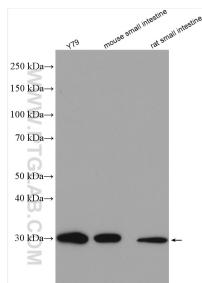
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

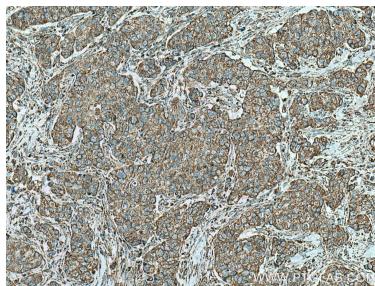
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
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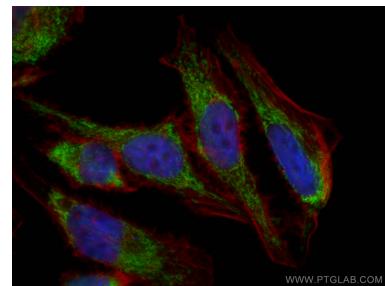
Selected Validation Data



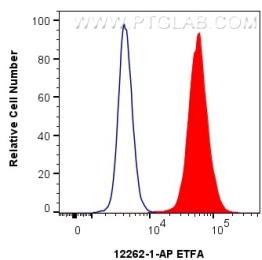
Various lysates were subjected to SDS PAGE followed by western blot with 12262-1-AP (ETFA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12262-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12262-1-AP (ETFA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12262-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ETFA antibody (12262-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), 594-phalloidin (red). This data was developed using the same antibody clone with 12262-1-PBS in a different storage buffer formulation.



1x10⁶ MCF-7 cells were intracellularly stained with 0.8 ug ETFA Polyclonal antibody (12262-1-AP) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.8 ug rabbit IgG isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 12262-1-PBS in a different storage buffer formulation.