For Research Use Only

# ALDOA Monoclonal antibody, PBS Only



Catalog Number:67453-1-PBS

#### **Basic Information**

- Catalog Number: 67453-1-PBS Size: 100ug , Concentration: 1mg/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG17952
- GenBank Accession Number: BC016800 GeneID (NCBI): 226 UNIPROT ID: P04075 Full Name: aldolase A, fructose-bisphosphate Calculated MW: 39 kDa Observed MW: 35-40 kDa
- Purification Method: Protein A purification CloneNo.: 1D6C2

Applications

Tested Applications: WB, IF, IHC, ELISA Species Specificity: Human, Mouse, Rat

### **Background Information**

ALDOA(Fructose-bisphosphate aldolase A) is also named as lung cancer antigen NY-LU-1,muscle-type aldolase,ALDA and belongs to the class I fructose-bisphosphate aldolase family. The ALDOA gene encodes a homotetrameric protein(PMID:14615364). It is found in skeletal muscle and red blood cells, and functions in glycolysis, promoting the reversible cleavage of FBP to triose phosphate, G-3-P and DHAP. ALDOA is upregulated in various cancers, including human lung squamous and renal cell carcinomas(PMID:19937139).

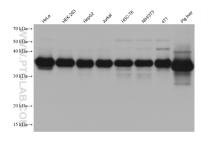
### Storage

Storage: Store at -80°C. Storage Buffer: PBS Only

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

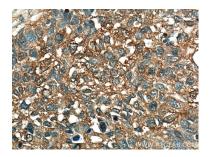
## Selected Validation Data



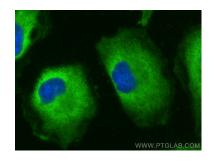
Various lysates were subjected to SDS PAGE followed by western blot with 67453-1-lg (ALDOA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67453-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 67453-1-1g (ALDOA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67453-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 67453-1-1g (ALDOA antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67453-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ALDOA antibody (67453-1-Ig, Clone: 1D6C2) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 67453-1-PBS in a different storage buffer formulation.