

# FMO2 Polyclonal antibody

Catalog Number: 15725-1-AP

## Basic Information

Catalog Number:	15725-1-AP	GenBank Accession Number:	BC005894	Purification Method:	Antigen affinity purification
Size:	450 µg/ml	GeneID (NCBI):	2327	Recommended Dilutions:	WB 1:500-1:3000 IHC 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q99518		
Isotype:	IgG	Full Name:	flavin containing monooxygenase 2		
Immunogen Catalog Number:	AG8464	Calculated MW:	471aa, 54 kDa; 534aa, 61 kDa		
		Observed MW:	50-60 kDa		

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse lung tissue,

IHC : human lung cancer tissue,

## Background Information

FMO2, belongs to FMO (flavin containing monooxygenase) family, which catalyzes the oxidation of soft nucleophilic heteroatom centers in drugs, pesticides, and xenobiotics. FMO family has 1-5 members, with homologous sequences. This antibody is specially against FMO2. It does not bind other FMOs.

## Storage

### Storage:

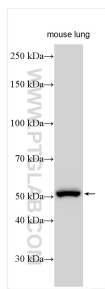
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

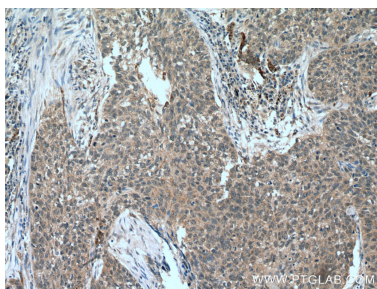
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

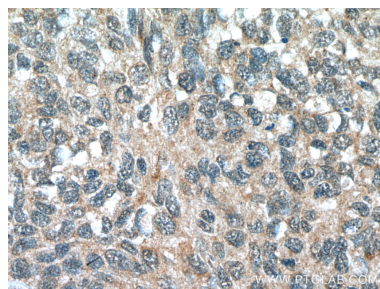
## Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 15725-1-AP (FMO2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15725-1-AP (FMO2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15725-1-AP (FMO2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).