

For Research Use Only

# FMO2 Polyclonal ANTIBODY

Catalog Number: 15725-1-AP



## Basic Information

<b>Catalog Number:</b> 15725-1-AP	<b>GenBank Accession Number:</b> BC005894	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2327	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> flavin containing monooxygenase 2 (non-functional)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 471aa,54 kDa; 534aa,61 kDa	
<b>Immunogen Catalog Number:</b> AG8464	<b>Observed MW:</b> 50-60 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse, rat

**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

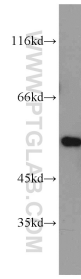
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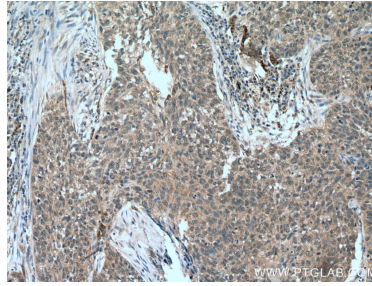
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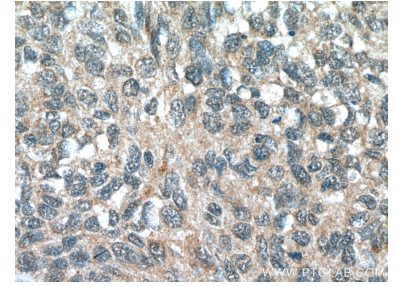
## Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 15725-1-AP (FMO2 antibody) at dilution of 1:800 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).