

## Recombinant Cyclooxygenase 2 Monoclonal Antibody

catalog number: **E-AB-81464**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

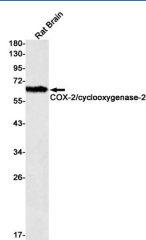
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	A synthetic peptide of human COX2
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R04-3I1
<b>Purification</b>	Affinity Purified
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:500-1:1000
<b>IHC</b>	1:50-1:100

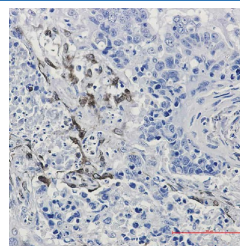
### Data



Western blot detection of COX-2/cyclooxygenase-2 in Rat Brain lysates using COX-2/cyclooxygenase-2 Rabbit mAb(1:500 diluted). Predicted band size:69kDa.Observed band size:69kDa.

**Observed-MW:69 kDa**

**Calculated-MW:69 kDa**



Immunohistochemistry of COX2 in paraffin-embedded Human lung cancer tissue using COX2 Rabbit mAb at dilution 1:50

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme.

### For Research Use Only