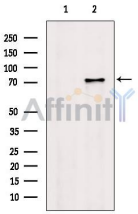
Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

Cox2 Ab

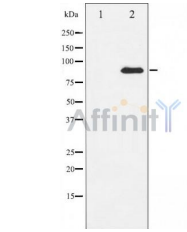
Cat.#: AF7003	Concn.: 1mg/ml	Mol.Wt.: 80kDa
Size: 50ul,100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	Cox2 Ab detects endogenous levels of total Cox2.
Immunogen:	A synthesized peptide derived from human Cox2.
Uniprot:	P35354
Description:	COX-2 Mediates the formation of prostaglandins from arachidonate. May have a role as a major mediator of inflammation and/or a role for prostanoid signaling in activity-dependent plasticity. Homodimer. Belongs to the prostaglandin G/H synthase family.
Subcellular Location:	Microsome membrane. Endoplasmic reticulum membrane.
Tissue Specificity:	By cytokines and mitogens.
Similarity:	Belongs to the prostaglandin G/H synthase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

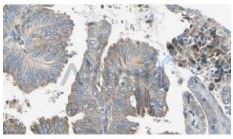


Western blot analysis of extracts from Mouse spleen, using Cox2 Ab. The lane on the left was treated with blocking peptide.

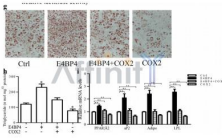
Observed bands: 70 kDa.



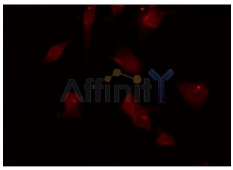
Western blot analysis of Cox2 expression in A549 whole cell lysates,The lane on the left was treated with the antigen-specific peptide.



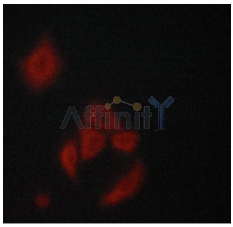
AF7003 at 1/100 staining Human cervical cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



E4BP4 mediates glucocorticoid-regulated adipogenesis through COX2 Yang Yang a, b , Hongkui Wei a, b , Tongxing Song a, b , Anle Cai a, b , Yuanfei Zhou a, b , Jie Peng a, b , Siwen Jiang b, c , Jian Peng a, b, *



AF7003 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF7003 staining A549 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.