

COX-2 (AB1537) mouse mAb

W0336

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 69 kDa (calculated)
- 70 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1537

Immunogen A synthetic peptide corresponding to the amino acid region 500 - 604 of the human COX - 2 protein.

Specificity The antibody can specifically recognize human COX-2 protein. In western blotting of Hela and A549 cell lysates, the antibody can label a 70 kDa band corresponding to COX-2.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name PTGS2

Protein Name COX-2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P35354	5743

Background COX has two isomeric forms of COX-1 and COX-2. It is a membrane-bound protease involved in the conversion of arachidonic acid to prostaglandins. COX-2 is an inducible enzyme that participates in the expression of cell growth factors, tumor promoting factors and cytokines, and is highly expressed in breast, lung, and colon cancers. It is mainly used in tumor research and is one of the targets of tumor therapy.