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Product Datasheet

COX2 Antibody / PTGS2, Clone: [COX2/2377], Mouse, Monoclonal NSJ-V8996-100UG

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| Article Name | COX2 Antibody / PTGS2, Clone: [COX2/2377], Mouse, Monoclonal |
| Biozol Catalog Number | NSJ-V8996-100UG |
| Supplier Catalog Number | V8996-100UG |
| Alternative Catalog Number | NSJ-V8996-100UG |
| Manufacturer | NSJ Bioreagents |
| Host | Mouse |
| Category | Antikörper |
| Application | IHC-P |
| Species Reactivity | Human |
| Immunogen | A portion of amino acids 442-572 was used as the immunogen for the COX2 antibody. |
| Product Description | Prostaglandins are a diverse group of autocrine and paracrine hormones that mediate many cellular and physiologic processes. Prostaglandin H2 (PGH2) is an intermediate molecule in formation of the prostaglandins. Cyclooxygenase-1 (Cox-1) and cyclooxygenase-2 (Cox-2) are the two major enzymes that catalyze the conversion of arachidonic acid to PGH2. Cox-1 is constitutively expressed in most tissues and is involved in the regulation of normal physiologic processes. Cox-2 is induced by various stimuli and is involved in the regulation of inflammatory and carcinogenic processes. The COX2 antibody is a mouse monoclonal antibody that recognizes the COX2 protein. It is used for immunohistochemical staining of tissue sections and Western blot analysis. The antibody is specific for the COX2 protein and does not cross-react with other isoforms of cyclooxygenase. The antibody is suitable for use in formalin-fixed, paraffin-embedded tissue sections and in unfixed tissue sections. The antibody is also suitable for use in Western blot analysis. The antibody is a mouse monoclonal antibody and is not suitable for use in immunofluorescence or flow cytometry. The antibody is a mouse monoclonal antibody and is not suitable for use in immunofluorescence or flow cytometry. |
| Clonality | Monoclonal |
| Clone Designation | [COX2/2377] |
| UniProt | P35354 |
| Purity | Protein A/G affinity |

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|--------------------|---|
| Form | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide |
| Antibody Type | Primary Antibody |
| Application Dilute | Immunohistochemistry (FFPE): 1-2ug/ml |
| Application Notes | Optimal dilution of the COX2 antibody should be determined by the researcher. |