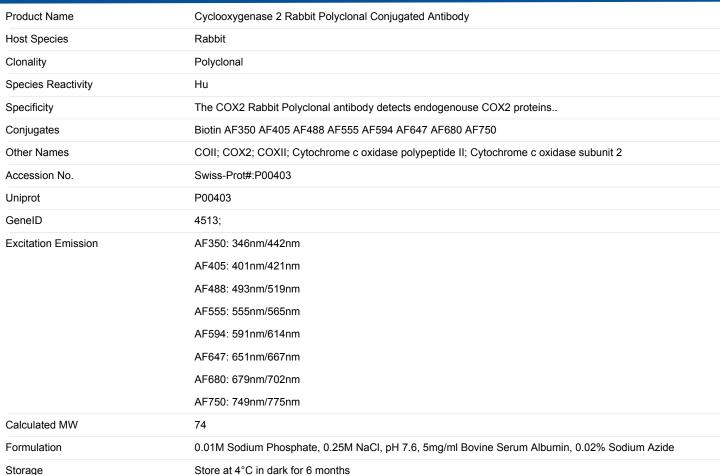
## Cyclooxygenase 2 Rabbit Polyclonal Conjugated Antibody

Catalog No: #C38024

Package Size:	#C38024-AF350 100ul	#C38024-AF405 100ul	#C38024-AF488 100ul
	#C38024-AF555 100ul	#C38024-AF594 100ul	#C38024-AF647 100ul
	#C38024-AF680 100ul	#C38024-AF750 100ul	#C38024-Biotin 100ul

## Description



## **Application Details**

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250 AF405 conjugated: most applications: 1: 50 - 1: 250 AF488 conjugated: most applications: 1: 50 - 1: 250 AF555 conjugated: most applications: 1: 50 - 1: 250 AF594 conjugated: most applications: 1: 50 - 1: 250 AF647 conjugated: most applications: 1: 50 - 1: 250 AF680 conjugated: most applications: 1: 50 - 1: 250 AF750 conjugated: most applications: 1: 50 - 1: 250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000 Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com



## Background

Prostaglandin-endoperoxide synthase 2, also known as cyclooxygenase-2 or simply COX-2, is an enzyme that in humans is encoded by the PTGS2 gene. There are two isozymes of COX encoded by distinct gene products: a constitutive COX-1 (this enzyme) and an inducible COX-2, which differ in their regulation of expression and tissue distribution. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors. A splice variant of COX-1 termed COX-3 was identified in the CNS of dogs, but does not result in a functional protein in humans. Two smaller COX-1-derived proteins (the partial COX-1 proteins PCOX-1A and PCOX-1B) have also been discovered, but their precise roles are yet to be described.

Note: This product is for in vitro research use only