

**DOR-1 (phospho Ser363) Polyclonal Antibody**  
**Catalog # AP67558****Specification**

---

**DOR-1 (phospho Ser363) Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P41143</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**DOR-1 (phospho Ser363) Polyclonal Antibody - Additional Information****Gene ID** 4985**Other Names**

OPRD1; OPRD; Delta-type opioid receptor; D-OR-1; DOR-1

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**DOR-1 (phospho Ser363) Polyclonal Antibody - Protein Information****Name** OPRD1**Synonyms** OPRD**Function**

G-protein coupled receptor that functions as a receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

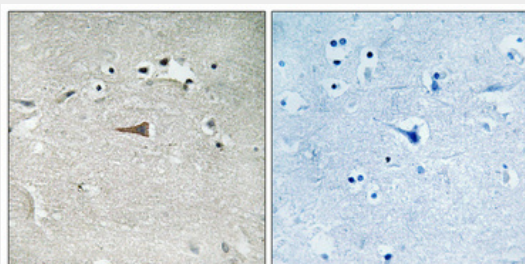
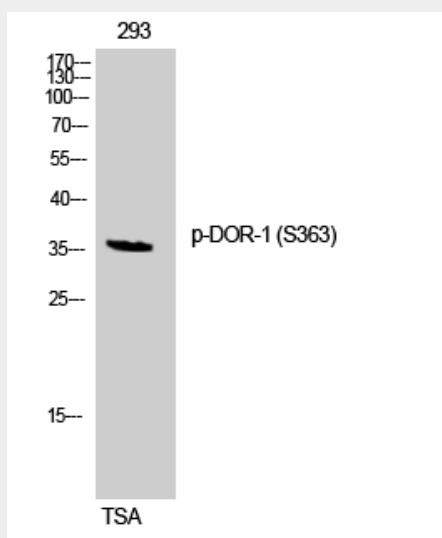
Detected in oocytes (at protein level). Detected in brain cortex, hypothalamus, hippocampus and olfactory bulb. Detected in oocytes.

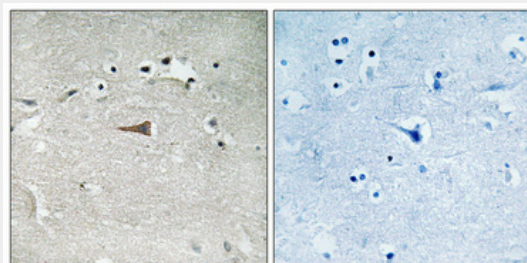
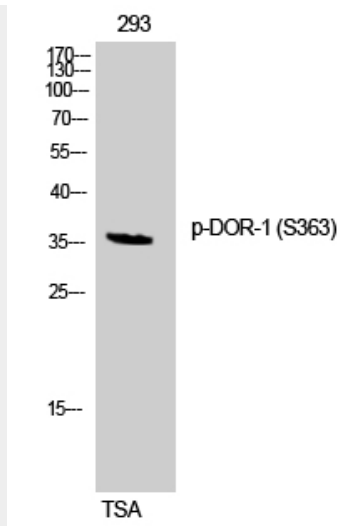
### **DOR-1 (phospho Ser363) Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **DOR-1 (phospho Ser363) Polyclonal Antibody - Images**





### **DOR-1 (phospho Ser363) Polyclonal Antibody - Background**

G-protein coupled receptor that functions as receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine.