

## Rabbit anti-Human PTGER3 Polyclonal Antibody | anti-PTGER3 antibody

PTGER3 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA233282 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

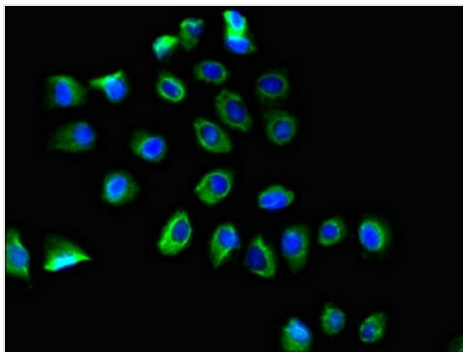
### PRODUCT SYNONYMS

PTGER3; Polyclonal Antibody; PTGER3 Antibody; Prostaglandin E2 receptor EP3 subtype; PGE receptor EP3 subtype; PGE2 receptor EP3 subtype; PGE2-R; Prostanoid EP3 receptor; anti-PTGER3 antibody

### PRODUCT SPECIFICATIONS

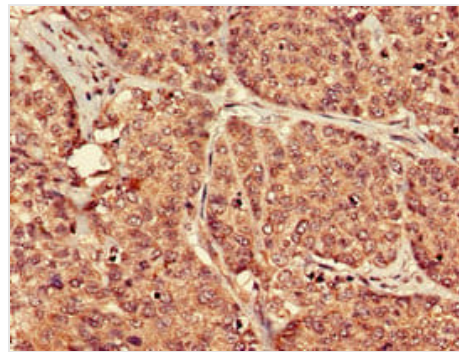
|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | >95%, Protein G purified                                                                                       |
| Form/Format                                      | Liquid                                                                                                         |
| Sequence Length                                  | 390                                                                                                            |
| Applicable Applications for anti-PTGER3 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                                     |
| Immunogen                                        | Recombinant Human Prostaglandin E2 receptor EP3 subtype protein (1-49AA)                                       |
| Conjugation                                      | Non-conjugated                                                                                                 |
| Preservative                                     | 0.03% Proclin 300                                                                                              |
| Constituents                                     | 50% Glycerol, 0.01M PBS, pH 7.4                                                                                |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



**IF (Immunofluorescence)**

Immunofluorescent analysis of A549 cells using AAA233282 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA233282 at dilution of 1:100

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTGER3 antibody | Receptor for prostaglandin E2 (PGE2); the EP3 receptor may be involved in inhibition of gastric acid secretion, modulation of neurotransmitter release in central and peripheral neurons, inhibition of sodium and water reabsorption in kidney tubulus and contraction in uterine smooth muscle. The activity of this receptor can couple to both the inhibition of adenylate cyclase mediated by G-I proteins, and to an elevation of intracellular calcium. The various isoforms have identical ligand binding properties but can interact with different second messenger systems (By similarity). |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 186659506                                                                                      |
| NCBI GeneID                      | 5733                                                                                           |
| NCBI Accession #                 | NP_001119516.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001126044.1                                                                                 |
| UniProt Accession #              | P43115; O00326; Q12943; Q12944; Q12945; Q16546; Q5CZ59; Q5CZ61; Q5CZ62; B0AZN4; B1AK19; B5BUP5 |
| Molecular Weight                 | 46,849 Da                                                                                      |
| NCBI Official Full Name          | prostaglandin E2 receptor EP3 subtype isoform 4                                                |
| NCBI Official Synonym Full Names | prostaglandin E receptor 3                                                                     |
| NCBI Official Symbol             | PTGER3                                                                                         |
| NCBI Official Synonym Symbols    | EP3; EP3e; EP3-I; EP3-II; EP3-IV; EP3-VI; PGE2-R; EP3-III                                      |
| NCBI Protein Information         | prostaglandin E2 receptor EP3 subtype                                                          |
| UniProt Protein Name             | Prostaglandin E2 receptor EP3 subtype                                                          |
| UniProt Gene Name                | PTGER3                                                                                         |
| UniProt Synonym Gene Names       | PGE receptor EP3 subtype; PGE2 receptor EP3 subtype                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptger3-antibody-immunofluorescence-immunohistochemistry-elisa/233282>