

## Rabbit anti-Human PTGER2 Polyclonal Antibody | anti-PTGER2 antibody

PTGER2 Antibody (Center)

|                               |                       |                            |                                                                              |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA288076</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------------|

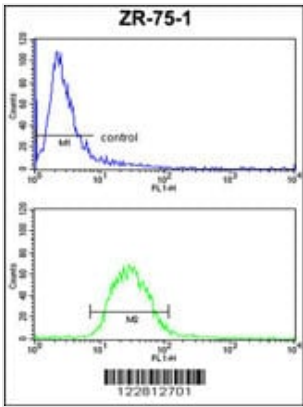
### PRODUCT SYNONYMS

PTGER2; Polyclonal Antibody; PTGER2 Antibody (Center); Prostaglandin E2 receptor EP2 subtype; PGE receptor EP2 subtype; PGE2 receptor EP2 subtype; Prostanoid EP2 receptor; anti-PTGER2 antibody

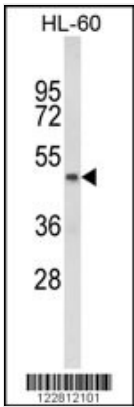
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                                                   |
| Isotype                                          | Rabbit Ig                                                                                                                                                                    |
| Specificity                                      | This PTGER2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118-147 amino acids from the Central region of human PTGER2.        |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                               | 118-147                                                                                                                                                                      |
| Sequence Length                                  | 358                                                                                                                                                                          |
| Applicable Applications for anti-PTGER2 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                          |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                   | HUMAN                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**FCM/FACS (Flow Cytometry)**  
PTGER2 Antibody (Center) FC analysis of ZR-75-1 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
Western blot analysis of PTGER2 Antibody (Center) in HL-60 cell line lysates (35ug/lane).PTGER2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTGER2 antibody | PTGER2 is a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma. |
| Product Categories/Family for anti-PTGER2 antibody   | Cardiovascular; Cell Biology; Neuroscience; Signal Transduction; Phospho Antibodies                                                                                                                                                  |
| References                                           | Sagana,R.L.,ET.AL., J. Biol. Chem. 284 (47), 32264-32271 (2009)                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 31881630                                            |
| NCBI GeneID                      | 5732                                                |
| NCBI Accession #                 | NP_000947.2                                         |
| NCBI GenBank Nucleotide #        | NM_000956.3                                         |
| UniProt Accession #              | P43116; Q52LG8; D3DSC0                              |
| Molecular Weight                 | 39761                                               |
| NCBI Official Full Name          | prostaglandin E2 receptor EP2 subtype               |
| NCBI Official Synonym Full Names | prostaglandin E receptor 2 (subtype EP2), 53kDa     |
| NCBI Official Symbol             | PTGER2                                              |
| NCBI Official Synonym Symbols    | EP2                                                 |
| NCBI Protein Information         | prostaglandin E2 receptor EP2 subtype               |
| UniProt Protein Name             | Prostaglandin E2 receptor EP2 subtype               |
| UniProt Gene Name                | PTGER2                                              |
| UniProt Synonym Gene Names       | PGE receptor EP2 subtype; PGE2 receptor EP2 subtype |
| UniProt Entry Name               | PE2R2_HUMAN                                         |

**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.

