



9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

## OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

## SP4110P

## Polyclonal Antibody to Cysteinyl Leukotriene Receptor 2 (CysLT2) - Aff - Purified

| Quantity:      | 50 µg   |
|----------------|---|
| Concentration: | 1.0 mg/ml   |
| Background:    | Cysteinyl leukotriene receptor 2 (CysLT2) is a Chemoattractant Receptor that binds<br>neutrophil chemoattractants such as cysteinyl leukotrienes. These ligands have<br>potent proinflammatory activity and are implicated in many features of asthma<br>including edema, bronchial constriction, and hyperreactivity (Bisgaard et al., 2000).<br>Activation of cysteinyl leukotriene receptor 2 induces cell contraction and/or<br>relaxation.<br>CysLT2 expression has been reported in adrenal medulla, blood, brain, heart, kidney,<br>lung, lymph node, ovary, placenta, prostate, pulmonary artery and vein, small<br>intestine, and spleen. ESTs have been isolated from human kidney and liver/spleen<br>libraries. |
| Host:          | Rabbit  |
| Immunogen:     | Synthetic peptide - KLH conjugated<br>Epitope: 2nd extracellular domain of human<br><b>Genename:</b> CYSLTR2<br><b>Remarks:</b> The immunizing peptide shows 47 % identity (47 % similarity) with rat.  |
| Format:        | <b>State:</b> Liquid Ig fraction<br><b>Purification:</b> Peptide immunogen affinity column<br><b>Buffer System:</b> PBS, pH 7.7, containing 0.01% sodium azide  |
| Applications:  | <b>Immunohistochemistry on Paraffin Sections:</b> $4 - 36 \mu g/ml$ .<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.   |
| Specificity:   | Reacts with Cysteinyl Leukotriene Receptor 2 (family: GPCR; subfamily:<br>Chemoattractant).<br><b>Species:</b> Human.<br>Other species not tested.  |
| Storage:       | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -70°C for<br>longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.