



Patched homolog 2 (PTCH2) Data Sheet

Catalog Number:	GT15215	Host:	Goat
Product Type:	Affinity purified	Species Reactivity:	Human
Immunogen Sequence:	Purified, <i>E. coli</i> -derived, recombinant human Patched 2 first extracellular loop (rhPatched 2; aa 79 - 392; Accession # Q9Y6C5).	Format:	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
Applications:	Immunohistochemistry : 3-10 µg/mL Western Blot: 0.1 - 0.2 µg/mL Flow Cytometry-50 µg/mL DirectELISA: 0.5 - 1.0 µg/mL		
Storage:	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

Application Notes

Specificity

This antibody has been selected for its ability to recognize human Patched 2 in the applications listed below.

Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Patched 2. The detection limit for rhPatched 2 is approximately 2 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry

This antibody will detect human Patched 2 in cells and tissues. The working dilution is 3 - 10 µg/mL. Antigen retrieval is recommended.

Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Patched 2. The detection limit for rhPatched 2 is approximately 0.2 ng/well. In this format, this antibody shows less than 5% cross-reactivity with rmPatched.

Flow cytometry

This antibody has been tested on WS-1 human dermal fibroblasts for use in flow cytometry. Dilute this antibody to 50 µg/mL and add 10 µL of the diluted solution to 1 - 2.5 x 10⁵ cells in a total reaction volume not exceeding 200 µL. The binding of unlabeled antibodies may be visualized by adding 10 µL of a 25 µg/mL stock solution of a secondary developing reagent such as anti-goat IgG conjugated to a fluorochrome.

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Flow Cytometry Image: WS-1 human dermal fibroblasts were stained with anti-Patched 2 (grey histogram) or isotype control (open histogram) followed by APC-conjugated anti-goat antibody.

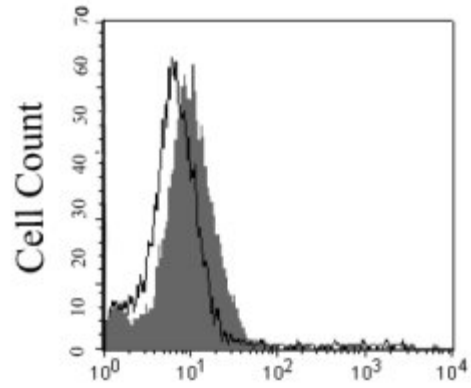
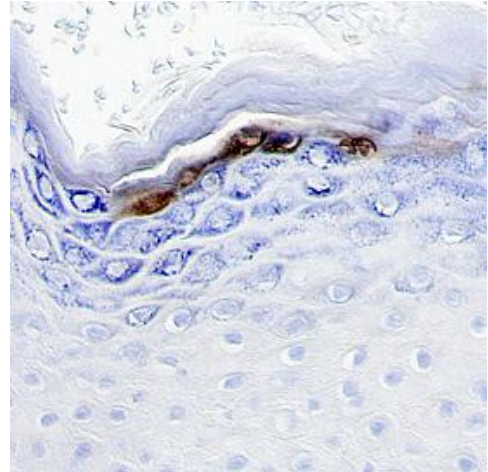


Image: Detection of PTCH2 in paraffin-embedded human basal cell carcinoma tissue sections using anti-goat HRP-DAB (brown). Tissues were counterstained with hematoxylin (blue). Dilution-dilution: 3 µg/mL.



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