NEUROMICS

BMP-2/4 Data Sheet

Catalog Number:	GT15053	**Host:**	Goat
Product Type:	Affinity purified	**Species Reactivity:**	Human, rat
Immunogen Sequence:	Recombinant human BMP-2	**Format:**	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose

Applications:

Immunocytochemistry: 2-5 µg/mL

Immunocytochemistry: 5-15 µg/mL

Western Blot: 0.1 – 0.2 µg/mL
Tested for Western blotting using human recombinant BMP2 and BMP 4

ELISA: 0.5 - 1.0 µg/mL

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: 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. *Avoid repeated freeze-thaw cycles.*

Application Notes

Specificity
This antibody has been selected for its ability to recognize BMP-2 and BMP-4 in direct ELISA and western blot assays.

Immunocytochemistry
This antibody can be used with the appropriate secondary reagents to detect human BMP-2/BMP-4. An experimental protocol is listed below. Cells (cultured or recently collected) may be fixed for 20 minutes at room temperature with freshly prepared 1 - 2% paraformaldehyde/PBS (pH 7.4). Three to five washes of cells in PBS (15 minutes each) is usually required after fixation and before application of primary antibodies. Labeling may be obtained by incubating cells overnight at 4° C with 2 - 5 µg/mL anti-human BMP-2/4 antibodies.

Immunohistochemistry
Tissues may be dissected from experimental animals that were fixed by vascular perfusion with 4% paraformaldehyde/PBS (pH 7.4) and followed by perfusion with a 10% sucrose solution in 0.1 M phosphate buffer (pH 7.2). Adequate labeling may be achieved on 5 - 15 µm thick cryostat sections by incubating them with primary antibodies diluted to 5 - 15 µg/mL. On free-floating sections, primary antibodies should be diluted to 0.5 - 2 µg/mL to reduce background staining.

Western Blotting
This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human BMP-2 and human BMP-4. The detection limit for recombinant human BMP-2 and recombinant human BMP-4 is approximately 200 ng/lane under non reducing and reducing conditions.

FOR RESEARCH USE ONLY

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