

product **AS03 029**
SCGB2A2 | Mammaglobin-A

product information

background	Mammaglobin is a 93 amino acids peptide belonging to the secretoglobin superfamily. Mammaglobin is expressed by normal breast and skin tissues and is over-expressed in many human breast cancer tumours. In breast tissue, mammaglobin is expressed as a secreted heterodimer together with the other secretoglobin member lipophilin B. Protein synonymes: Mammaglobin-1, Secretoglobin family 2A member 2
immunogen	<u>KLH</u> -conjugated 16 amino acids-long synthetic peptide derived from C-terminal sequence of human mammaglobin <u>Q13296</u>
antibody format	rabbit; polyclonal; affinity purified serum in PBS pH 7.4; lyophilized
quantity	100 µg - for reconstitution add 238 µl of sterile water.
storage	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
tested applications	Western blot (WB), immunohistochemistry (IHC), formalin/PFA-fixed paraffin-embedded sections (IHC-P)
additional information	no cross-reactivity to lipophilin A, lipophilin B (BU101), lipophilin C (lacryglobin, mammaglobin B), or uteroglobin (Clara cell protein, Clara cell 10 kDa protein) by Western blot analysis of bacterially produced recombinant proteins. Western blot analysis of human breast cancer cells MDA-MB-415 reveals only the mammaglobin band of approximately 15 kDa. Analysis of other cells and tissues might, however, upon prolonged exposure, reveal additional bands at higher molecular weight.

application information

recommended dilution	1 µg/ml (WB), 1 µg/ml (IHC-P)
expected apparent MW	10.5 15 kDa
confirmed reactivity	human
predicted reactivity	human only
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	to be added when available
selected references	

This product is **for research use only** (not for diagnostic or therapeutic use)

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Sjödin et al. (2003). Mammaglobin in normal human sweat glands and human sweat gland tumors. *J. Invest Dermatol.* 121:428-429; Sjödin et al (2008). Mammaglobin and lipophilin B expression in breast tumors and their lack of effect on breast cancer cell proliferation. *Anticancer Res.* 28:1493-1498.