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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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**Product no AS16 3977**

# Anti-Ara h1, clone 17

## Product information

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|---|---|
| **Immunogen** | Recombinant peanut allergen Ara h1, UniProt: P43237, amino acid 26-216. |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Total IgG. Protein G purified. |
| **Format** | Liquid |
| **Quantity** | 50 µg |
| **Storage** | Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube. |
| **Additional information** | Antibody solution contains: 50% Glycerol, 0,01M PBS, PH 7,4 and 0,03% Proclin 300 |

## Application information

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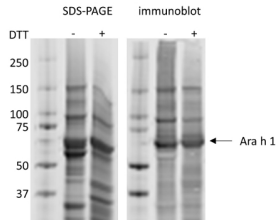
| **Recommended dilution** | 1 : 320 000 (i-ELISA), 1: 1000 (WB) |
| **Expected \| apparent MW** | 70 kDa |
| **Confirmed reactivity** | *Arachis hypogaea* |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Additional information** | Antibody cross reactivity to Ara h2 or Ara h3 has not been tested |
| **Selected references** | Mattison et al. (2024). Proteomic characterization of peanut flour fermented by *Rhizopus oryzae*. Heliyon Volume 10, ISSUE 15. |

**Application example**




Thirty (30) µg of total protein extracted freshly from defatted lightly roasted peanut flour with borate buffered saline (BBS) solution (100 mM H3BO4, 25 mM Na2B4O7, 75 mM NaCl, and pH 8.6) for 1 hr with constant stirring at 4°C. Samples were denatured with NuPAGE™ LDS sample buffer containing 50 mM DTT at a 1:4 (v/v) ratio and incubation at 70°C for 5 min. Samples were separated on Novex™ 10-20% Tricine Protein Gels and blotted 7 minutes to nitrocellulose using iBlot dry transfer system. The blot was blocked with 5% milk in phosphate buffered saline (pH 7.4) with 0.1% tween-20 (PBST) for 1h/RT with agitation. The blot was incubated in the primary antibody at a dilution of 1: 1,000 for 1h/RT with agitation in PBS-T with agitation. The antibody solution was decanted and the blot was rinsed briefly, then washed 3 times with 10mL for 5 min in PBST at RT with agitation. The blot was incubated with Donkey anti-Rabbit IRDye 680RD secondary antibody (LI-COR, Nebraska, US) diluted to 1:10,000 in PBST for 1h/RT with agitation. The blot was washed as above, scanned on a LI-COR Odyssey, and images were collected with the 680nM channel.