

**Product Name**

Specific IgY against Acrylamide Chicken 54, titer 400,000

**Description**

Chicken Immunoglobulin Y against Acrylamide

**Immunogen**

BSA – Maleamine acid

**Cross Reactivity**

Not tested

**Specificity**

This antibody has a high affinity and specificity for Acrylamide.

**Tested applications**

Immuno Affinity Chromatography

**Application notes**

Antibody can be coupled to solid support materials.

**Relevance**

Acrylamide levels appear to rise as food is heated for longer periods of time. Browning during baking, frying or deep-frying will produce acrylamide, and over-cooking foods may produce large amounts of acrylamide. Acrylamides can also be created during microwaving. Cigarette smoking is also a major acrylamide source. Acrylamide can cause cancer in laboratory animals at high doses, although it is not clear whether it causes cancer in humans at the much lower levels found in food.

**Raised in**

Chicken

**Clonality**

Polyclonal

**Storage buffer**

0.1 M Phosphate Buffered Saline (PBS) pH 7.2. (0.02% sodium azide)

**Concentration**

Appr. 5 mg/ml

**Storage instructions**

This working antibody solution is stable for at least 7 days at 4 °C. Precautions of storage should be taken for longer periods. Problems of long term stability may occur with highly diluted solutions. No other preservative agent has been added to the present formulation.

**References**

See the website of Grace-Vydac Venture Line for more information about tested IAC columns.