

Polyclonal Antibody to D-aspartate - Ig Fraction

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| Alternate names: | D-Aspartic acid |
| Catalog No.: | AP05364PU-N |
| Quantity: | 0.1 ml |
| Background: | Aspartic acid (Asp), also known as aspartate is one of the 20 natural proteinogenic amino acids which are the building blocks of proteins. There are two abbreviations commonly used to designate aspartic acid: Asp (three letter) and D (one letter). As its name indicates, aspartic acid is the carboxylic acid analog of asparagine. It is non-essential in mammals, and might serve as an excitatory neurotransmitter in the brain. It is also a metabolite in the urea cycle, and participates in gluconeogenesis. |
| Host / Isotype: | Rabbit / IgG |
| Immunogen: | D-aspartic acid-gluteraldehyde-BSA conjugate. |
| Format: | State: Lyophilised purified IgG Purification: Ammonium sulphate precipitation Reconstitution: 50 µl distilled water + 50 µl glycerol |
| Applications: | ELISA: 1/5000 - 1/10,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognises D-aspartate (D-aspartic acid) and shows minimal reactivity with L-aspartate and L- & D-glutamate. This antibody has been adsorbed against BSA but only recognises conjugated D-aspartate, not free D-aspartate. |
| Storage: | Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |