10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AKR7A3 Blocking Peptide (N-Term)

Synthetic peptide
Catalog # BP21993a

Specification

AKR7A3 Blocking Peptide (N-Term) - Product Information

Primary Accession	O95154
Other Accession	Q8NHP1

AKR7A3 Blocking Peptide (N-Term) - Additional Information

Gene ID 22977

Other Names
Aflatoxin B1 aldehyde reductase member 3, 1.-.-.-, AFB1 aldehyde reductase 2, AFB1-AR 2, AKR7A3, AFAR2

Target/Specificity
The synthetic peptide sequence is selected from aa 33-44 of HUMAN AKR7A3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AKR7A3 Blocking Peptide (N-Term) - Protein Information

Name AKR7A3

Synonyms AFAR2

Function
Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen.

Cellular Location
Cytoplasm.

Tissue Location
Expressed in colon, kidney, liver, pancreas, adenocarcinoma and endometrium.

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AKR7A3 Blocking Peptide (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

AKR7A3 Blocking Peptide (N-Term) - Images

AKR7A3 Blocking Peptide (N-Term) - Background

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AKR7A3 Blocking Peptide (N-Term) - References

Knight L.P.,et al.Carcinogenesis 20:1215-1223(1999).
Praml C.,et al.Oncogene 22:4765-4773(2003).
Gregory S.G.,et al.Nature 441:315-321(2006).
Bodreddigari S.,et al.Chem. Res. Toxicol. 21:1134-1142(2008).