

std::exception

```
classDiagram
    class std_exception["std::exception"]
    class atb_sparse_vector_error["atb::SparseVectorError"]
    atb_sparse_vector_error --|> std_exception
```

The diagram illustrates an inheritance relationship. At the top is a class box for 'std::exception', which is divided into three horizontal sections: the top section contains the class name, and the two bottom sections are empty. Below it is a class box for 'atb::SparseVectorError', which is divided into three horizontal sections. The top section contains the class name, the middle section is shaded gray and empty, and the bottom section is shaded gray and contains three public methods: '+ SparseVectorError()', '+ ~SparseVectorError()', and '+ what()'. A blue arrow with an open triangular head points from the top of the 'atb::SparseVectorError' box to the bottom of the 'std::exception' box, indicating that 'atb::SparseVectorError' inherits from 'std::exception'.

atb::SparseVectorError

+ SparseVectorError()  
+ ~SparseVectorError()  
+ what()